

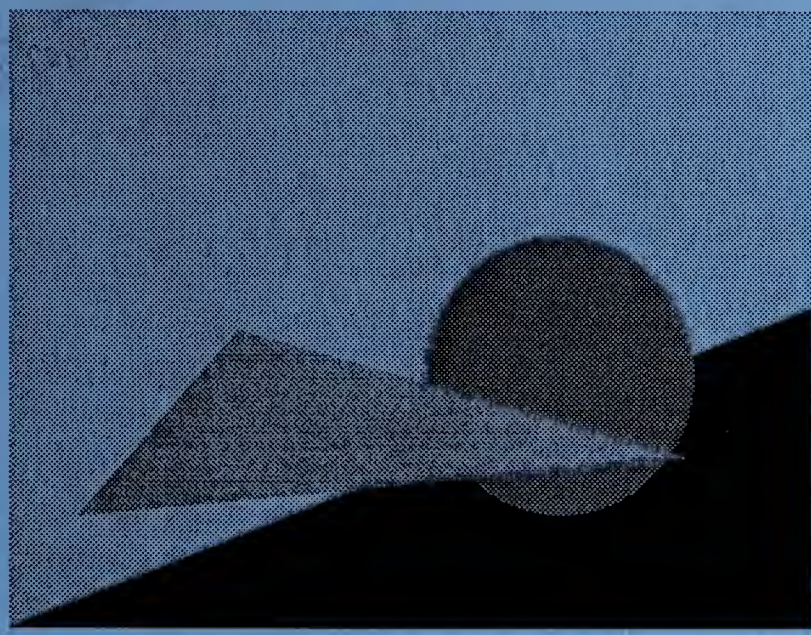
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INDICATORS OF SUBSTANCE USE IN MASSACHUSETTS 1985-1992

Massachusetts Department of Public Health
Bureau of Substance Abuse Services



*Report Prepared by
Health and Addictions Research, Inc.*

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THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF HEALTH AND HUMAN SERVICES
DEPARTMENT OF PUBLIC HEALTH

**INDICATORS OF SUBSTANCE USE
IN MASSACHUSETTS
1985-1992**

SEPTEMBER 1994

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INTRODUCTION

Alcohol and other drug use and abuse are difficult to observe and measure directly. When asked, individuals often underreport their use of alcohol or other drugs and do not associate it with other problems in their lives. Some of the consequences of substance abuse are disease, death, arrest, and admission to drug and alcohol treatment programs. These indicators are used in this report as surrogate measures of the prevalence of alcohol and drug abuse.

Measurements based on indicators are most useful for estimating the relative prevalence and change in prevalence rather than the absolute magnitude of the problem. They work best when used in conjunction with other population-based prevalence estimates. Each indicator has flaws. Hospital discharge data may be incomplete and underreported in some communities. Data on the contribution of alcohol and drug use to morbidity and mortality may only reflect the most obvious cases. Causes of death attributable to substance use may go unreported or unobserved. Arrest data can reflect increases and decreases in patrol time, variable attention to specific offenses, and reporting that may be incomplete. Although individual indicators have different weaknesses and biases, when viewed together, they form a mosaic that outlines the nature and extent of drug and alcohol problems in communities, suggest changes in magnitude over time, and identify differences from location to location.

The Department of Public Health, Bureau of Substance Abuse Services, and Health and Addictions Research, Inc. have developed a database spanning eight years (1985-1992) of indicators reflecting drug and alcohol problems. The indicators are not used to make estimates of absolute prevalence. Comparisons between communities, however, suggest differences in relative prevalence. While drug and alcohol problems impact communities of all sizes, larger communities tend to have higher figures on most indicators. Towns and community partnerships in Massachusetts use these indicators to target and structure areas of prevention as well as to formulate appropriate interventions and strategies to combat identified problems. They also use indicators to measure impact and change over time associated with their prevention and intervention efforts.

Direct and indirect indicators of substance use in the Massachusetts database were identified from a review of the literature, as well as from discussions with experts in state and federal government agencies¹. The data are monitored and updated on a yearly basis and the overall indices of uses are modified accordingly.

In 1993, subsequent to our last report, the database was extensively reviewed and numerous changes were made to ensure more reliable data. Five major revisions included the following:

¹For a comprehensive review on the use of indicators to estimate substance abuse, refer to our last report (McCarty, Nardone, Hofmann, Williams, Krakow, and Linov, 1992).

1) Population estimates for years prior to 1990 (1985-1989) were based on 1980 census data projections. With the availability of the 1990 census data, population estimates were recalculated using a straight line fit between 1980 and 1990 estimates. This change corrected rates per 100,000 for all indicators for non-census years. Additionally, population estimates for years 1991 and 1992 were calculated using the University of Massachusetts MISER Projections for Census. (See Appendix A for 1990 census data and 1991-1992 projections).

2) An increase in alcohol and drug related hospital discharges may be observed in this report for two reasons. Substance abuse ICD-9-CM (International Classification of Diseases Edition 9 Clinical Modification) codes and diagnostic categories were reexamined and expanded in the hospital discharge dataset (Appendix D). Additionally, data from previous years for hospitals that had failed to report data between 1986 and 1990 have been acquired and added to the database.

3) Several changes were made to the dataset of alcohol and drug related deaths. First, death data were re-extracted using updated ICD-9 codes (Appendix D). Second, deaths were reassigned based on town of residence rather than town of death (i.e., where the hospital was located) so that rates for the larger communities (where the majority of hospitals are located) dropped while rates for smaller communities increased. Additionally, out-of-state residents who died in Massachusetts were excluded from the database; this change led to a 4% drop in the number of deaths reported. Finally, death data were obtained for 1985; previously, reports on deaths began with 1986.

4) Data for substance abuse treatment admissions were divided into three categories: primary admissions (direct alcohol and/or drug problem), collateral admissions (significant other has a problem), and total admissions (primary + collateral). This paper primarily reports total admissions.

5) For the Uniform Crime Report (UCR) data, projections are now made from a minimum of five months of data, rather than six months, in order to increase the number of towns reported (few towns report twelve months of data). This change should slightly raise UCR totals. Furthermore, reports from state and MDC police are counted in statewide numbers only and university police data are recorded in the town in which the university resides.

Based on these changes, all indicators were recalculated from 1985 forward so they are consistent on a yearly basis. Therefore, should a comparison of data be made to that reported previously in the indicator reports, some differences will be observed.

RESEARCH METHODOLOGY

Data Collection

This report includes the following indicators of substance abuse: alcohol and drug related hospital discharges and death data, substance abuse treatment admissions, weekly Alcoholics Anonymous (AA) and Narcotics Anonymous (NA) meetings, liquor licenses, District Court operating under the influence (OUI) filings, District Court narcotic filings, Uniform Crime Reports on the sale and manufacture of drugs, Uniform Crime Reports on the possession of drugs, Uniform Crime Reports on driving under the influence of liquor (DUI) offenses, and Uniform Crime Reports on liquor law violations. Data on alcohol-related fatal traffic accidents are also included as are newly diagnosed and total number of AIDS cases because injection drug use and transmission through sexual contact with an injection drug user are the fastest growing categories of HIV transmission.

These indicators are collected from a variety of sources including hospitals, state agencies, state and federal law enforcement agencies, substance abuse treatment agencies, and self-help organizations. For the purpose of this report, indicators are divided into four categories: medical, legal, treatment, and availability. Data reported here are for substance abuse indicators collected in the years 1985-1992. The most recent statistics reported by town are based on a rolling average of the past three years to form more reliable and stable measures. Other aggregate data that report on only 1992 figures use the MISER Projection Census numbers for 1992 as the denominator to calculate rates per 100,000 (with the exception of the AIDS data). See Appendix E for a more detailed description of the sources, contents, and years reported of the substance abuse indicators. Because all the data in this report are from secondary sources, a one to two year lag often occurs while these sources compile their data. 1992 was the last year complete data were available from all sources.

Medical Indicators. Medical information is obtained from acute hospital discharge records and death certificate data maintained and distributed at the Massachusetts Department of Public Health. Reported are data on substance abuse related hospital discharges (which includes discharges for patients with alcohol related diagnoses and drug related diagnoses) and substance abuse related deaths. For each admission or death, the tapes include basic demographic variables (e.g. sex, race, marital status), town and county of residence, reason for admission or cause of death, and various associated diagnoses or conditions. Cases which mention any one of the selected ICD-9 codes associated with substance abuse (Appendix D) are extracted from the two databases.

The incidence of AIDS is also available from the Department of Public Health. For confidentiality reasons, AIDS cases are only reported for towns with more than 5 cases. Although AIDS cases resulting from needle use are particularly relevant to this study, the database does not differentiate by mode of transmission. Subsequently, the number of AIDS cases listed for each town includes AIDS cases resulting from injection needle use as well as

other modes of transmission.

Legal Indicators. These indicators include Driving While Intoxicated (DWI)² arrests, liquor law violations, and substance use related traffic fatalities, among others. Data on alcohol-related fatalities were obtained from the Registry of Motor Vehicles Statistics Division and included information on the town, county, age, and sex of the driver, along with the age and sex of the victims for each fatality. The District Courts Department of the Trial Courts of the Commonwealth provides information on OUI and narcotics arraignments and dispositions by district court. Cases are reported for only the town in which the district court resides. Offender's town of residence is not available. The current mechanism for reporting statistics and drug related arrests and activities, The Uniform Crime Reporting (UCR) System, though considered unreliable due to irregular reporting to the system, is used until a more reliable source can be utilized. Substance use indicators include arrests for sale and manufacturing of drugs, possession of drugs, driving under the influence of liquor, and liquor law violations. Since only the one most serious offense is listed, drug and alcohol related arrests are underreported in this database if they are associated with a more serious crime, e.g., larceny or murder.

Treatment Indicators. The Bureau of Substance Abuse Services' Management Information System (MIS) database contains information on clients admitted to publicly-funded substance abuse treatment facilities. Total treatment admissions include both primary and collateral admissions. Statewide information is available on client characteristics, substance use patterns, frequency of use, route of administration, and primary substance of use. The number of self-help meetings is available by town from Alcoholics Anonymous and Narcotics Anonymous meeting directories.

Availability Indicators. The Massachusetts Beverage Journal compiles an annual report of the number of liquor licenses issued by the state's Alcohol Beverage Control Commission (ABCC). This report, the Massachusetts Retail Liquor Licensee Directory, lists the number of establishments and types of licenses they hold (e.g., package store, restaurant, or hotel) by town.

Data Entry

The collected data are either in mainframe computer files or on hard copy. The data on hospital admissions and deaths as well as the Bureau of Substance Abuse's MIS system are in computer databases. Data from other sources must be coded, entered into a data entry program, and uploaded to the mainframe. Data entry is checked for accuracy. Each dataset is entered at the level of the most specific unit of analysis. In some cases, the unit of

² Operating Under the Influence (OUI) and Driving Under the Influence (DUIL) are also used to describe Driving While Intoxicated arrests (DWI).

analysis is the individual (e.g., rate-setting and MIS data) while in other cases, data are only available at the town (AA or NA participation) or district court level (district court data).

Data Analysis

All data analyses are conducted in SAS. The data currently occupy different SAS files which are merged and analyzed according to the level at which the information is reported. Most of the demographic variables included in the individual datasets are not relevant to the study of town and county indicators. However, these variables will remain in the original datasets should there be an interest or need to do analyses at a more individual level.

When reporting data at the town level, this report is generated with mean incidence per year averaged for a three year period to stabilize variations in reporting from year to year (Appendix B). Mean rates per 100,000 population are also calculated by town using three year periods (Appendix C). Rates per 100,000 population are presented for each year between 1985 and 1992 (Results, Section 2), broken down by size of community (Results, Section 5), and for each year, projected census populations are used as the denominators. Other analyses by size of community (more than 90,000, 50,000 to 90,000, 25,000 to 49,999, 10,000 to 24,999, and less than 10,000) are reported using 1992 data only (Results, Section 3) as are statewide figures (Results, Section 1) and indicators for cities over 90,000 in population (Results, Section 4). These data utilize projected 1992 census numbers as their denominators (with the exception of the AIDS data).

RESULTS

How the Remainder of the Report is Organized

The results are presented in five sections. Each section consists of a series of bullets highlighting the salient findings, followed by tables or graphs. The first section presents 1992 statewide figures for indicators of substance use in Massachusetts. The second section presents trends in statewide substance use indicators for years 1985-1992. The third section presents substance use indicators by size of community for 1992. The fourth section presents substance use indicators in cities over 90,000 in population for 1992. The fifth section presents trends by size of community in substance use indicators for years 1985-1992. Action steps for communities are then presented along with suggested readings.

Appendix A presents a list of towns and 1990 census figures as well as 1991 and 1992 census projections by size of community classification. Appendix B presents the mean incidence of substance use indicators by town and Appendix C presents the mean rate per 100,000 population of substance use indicators by town (three year rolling averages). Instructions on using Appendices B and C appear before Appendix B. Appendix D presents the ICD-9 codes used to select records from the hospital discharge and death certificate databases and indicates the specific changes made in comparison to the old dataset. Appendix E presents a description of substance abuse indicators.

Section 1

Indicators of Substance Use in Massachusetts

(1992 totals - Table 1)

- 32,881 acute hospital patient discharges related to substance use - 24,193 discharges had alcohol related diagnoses and 16,101 had drug related diagnoses.
- 1,954 deaths related to alcohol and other drug use.
- 83,981 total admissions to publicly-funded drug and alcohol treatment services - 31,146 alcohol only, 12,404 drug only, 37,888 both alcohol and drug admissions and 2,543 collateral admissions.
- 2,593 self-help meetings each week - 2,342 AA meetings and 251 NA meetings.
- 9,915 liquor licenses issued.
- 25,268 district court filings related to operating under the influence charges.
- 41,977 district court filings related to narcotics charges.
- 139 substance use related traffic fatalities.
- 879 newly diagnosed and 5,161 total AIDS cases.

Table 1
Substance Use in Massachusetts
Statewide Figures for Indicators - 1992

Data Source	Incidence for 1992	Rate Per 100,000 for 1992
Hospital Discharges	32,881	543
Deaths	1,954	32
Total Treatment Admissions	83,981	1,386
Weekly AA Meetings	2,342	39
Weekly NA Meetings	251	4
Liquor Licenses	9,915	164
District Court OUI	25,268	417
District Court Narcotics	41,977	693
UCR Sale Manufacture	5,864	97
UCR Possession	8,745	198
UCR DUIL	11,959	198
UCR Liquor Law	4,267	71
Traffic Fatalities	139	2
AIDS cases newly diagnosed	879	15
AIDS cases cumulative	5,161	86

Section 2

Trends in Substance Use Indicators in Massachusetts

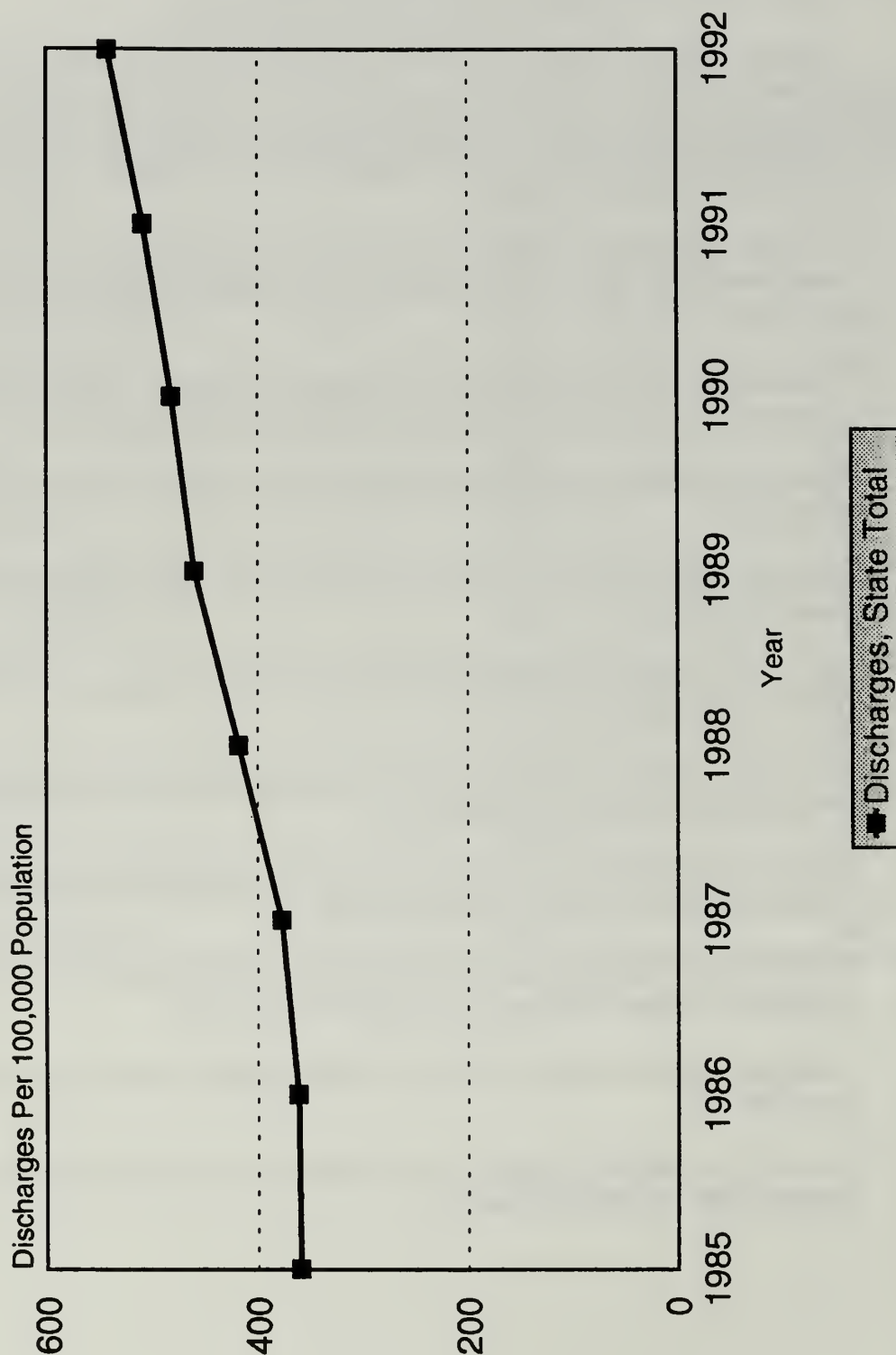
(Years 1985 through 1992 - Figures 1 through 11)

- Indicators suggest increases in hospital discharges related to alcohol and drug use and arrests associated with drug use.
- Between 1985 and 1992, the rate per 100,000 of substance abuse related hospital discharges rose 51% (Figure 1).
- A similar trend between 1985 and 1992 was seen for alcohol related hospital discharges, which rose 53% (Figure 2), while drug related hospital discharges rose at over twice that rate, 120% (Figure 3).
- The overall state rate per 100,000 population for hepatitis hospital diagnoses varied between 25 cases per 100,000 and 35 cases per 100,000 (Figure 4).
- The rate for liver disease hospital diagnoses remained fairly stable from 1985 to 1992 (Figure 5).
- Between 1985 and 1992, the rate of substance abuse related deaths remained virtually constant (Figure 6).
- The rate per 100,000 of substance abuse total treatment admissions decreased 17% from 1986 to 1992 (Figure 7).
- The rate per 100,000 population for operating under the influence court cases decreased 41% between 1986 and 1992 (Figure 8).
- The rate per 100,000 of narcotics court cases increased 59% from 1986 to 1989 and decreased 16% from 1989 to 1992 (Figure 9).
- After a rise in newly reported AIDS cases from 1987 to 1988, the rate per 100,000 population remained fairly stable through 1992 (Figure 10).
- Cumulative reported cases of AIDS per 100,000 population has risen from 10 in 1986 to 86 in 1992.
- The rate per 100,000 population for substance abuse traffic fatalities has decreased between 1986 and 1992 (Figure 11).

Substance Abuse Related Hospital Discharges

State Trend in Rate Per 100,000

1985 - 1992



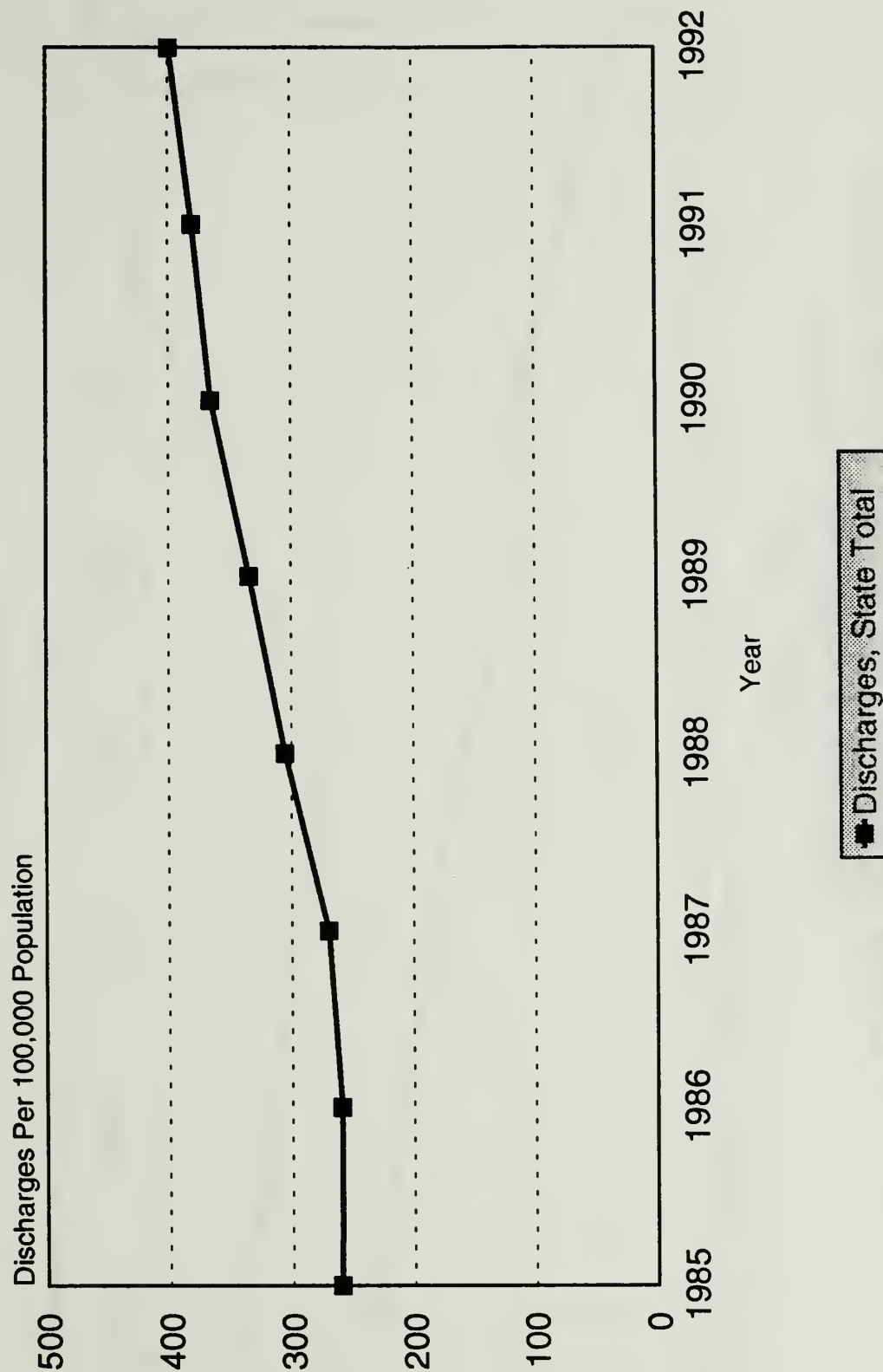
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 1

Alcohol Related Hospital Discharges

State Trend in Rate per 100,000

1985 - 1992



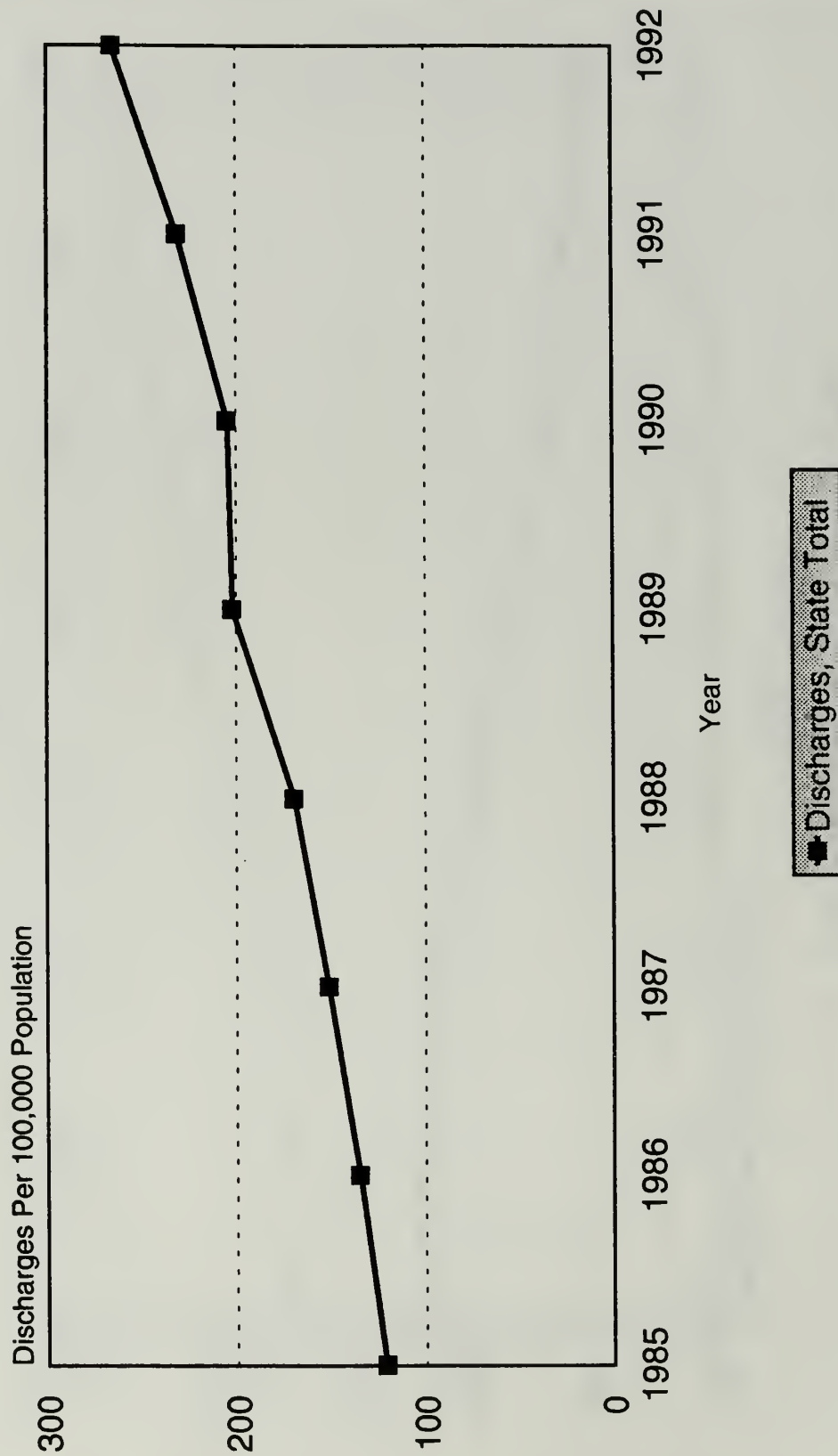
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 2

Drug Related Hospital Discharges

State Trend in Rate Per 100,000

1985 - 1992



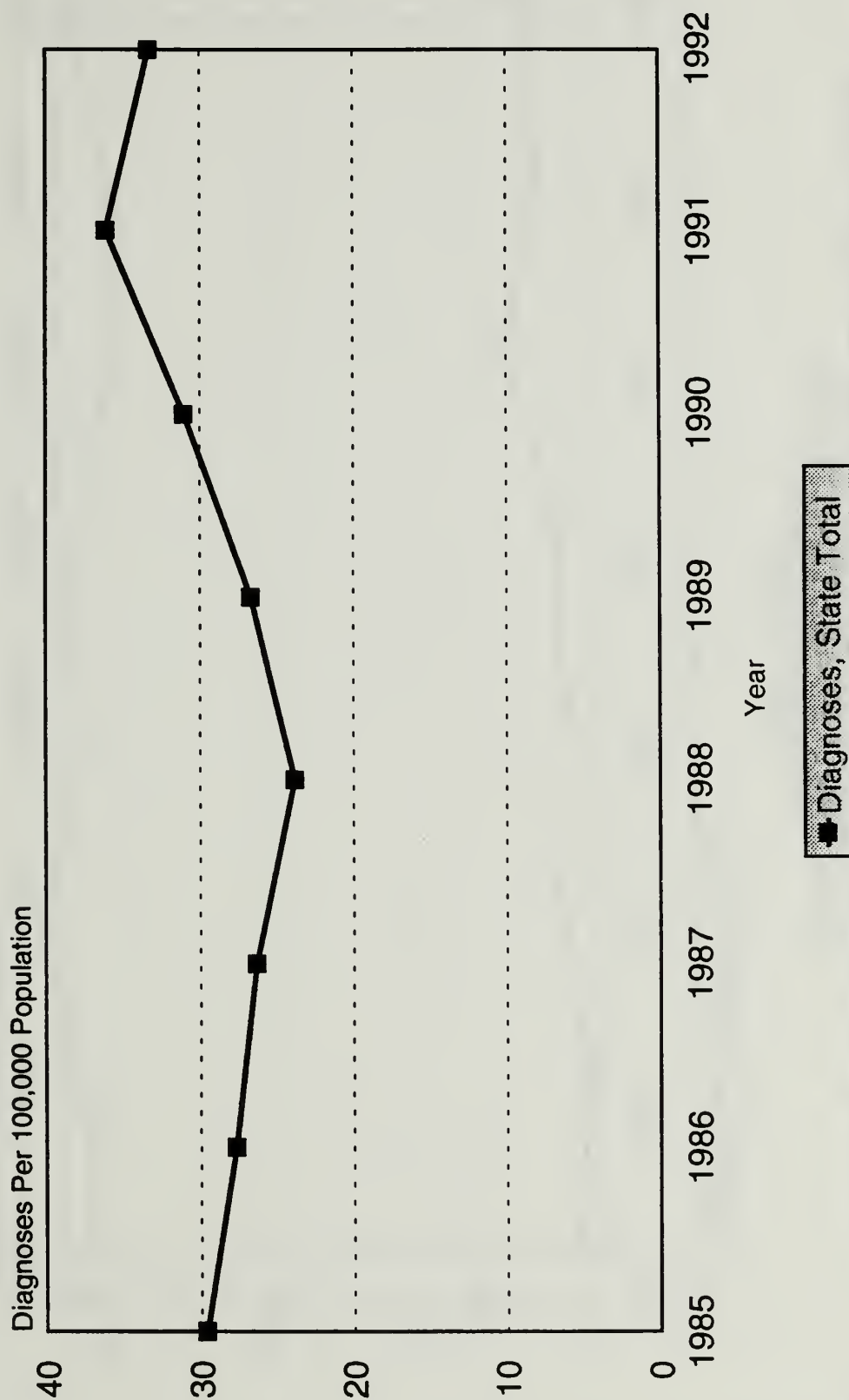
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 3

Hepatitis Hospital Discharge Diagnoses

State Trend in Rate per 100,000

1985 - 1992



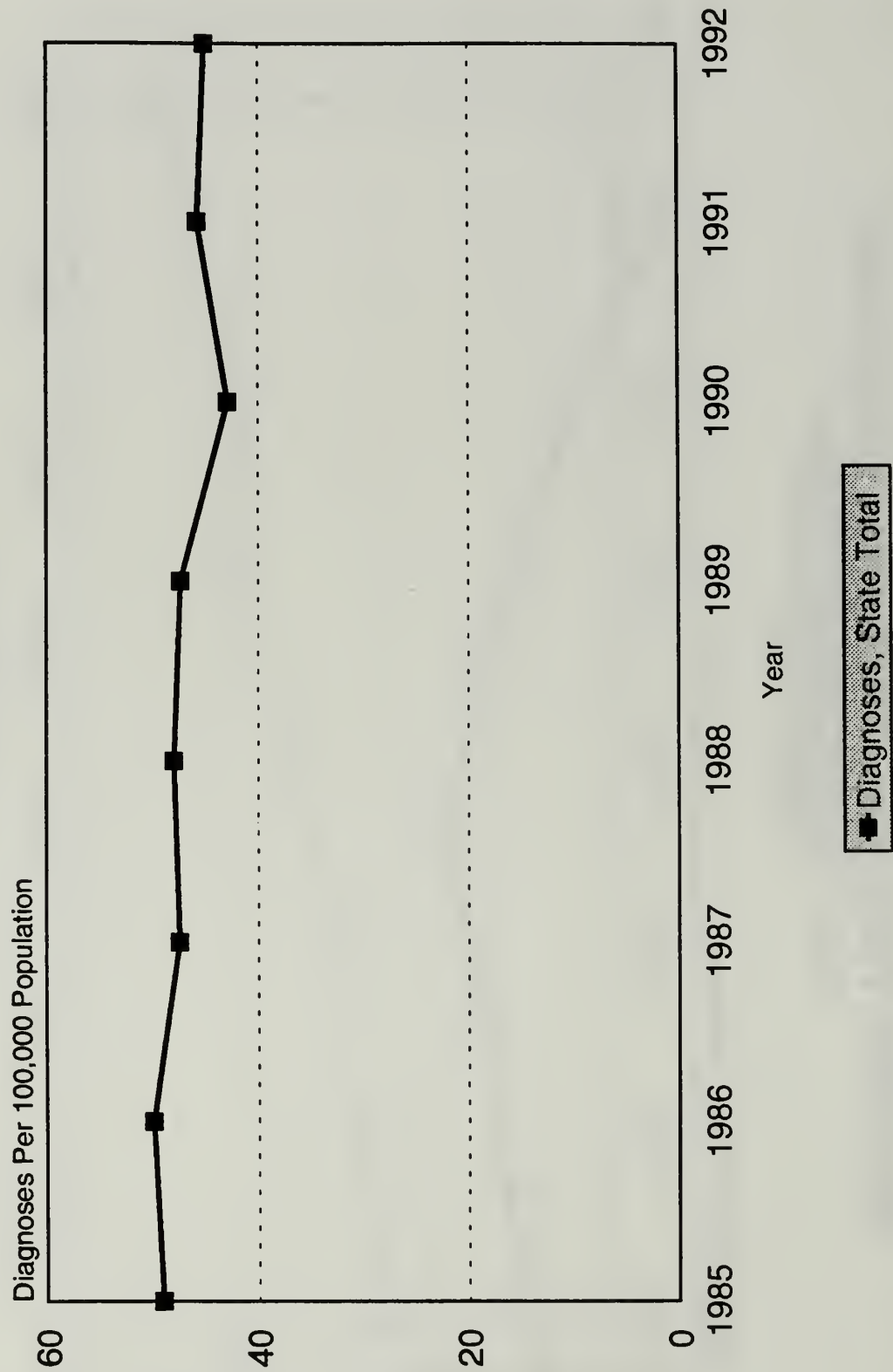
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 4

Liver Disease Hospital Discharge Diagnoses

State Trend in Rate per 100,000

1985 - 1992



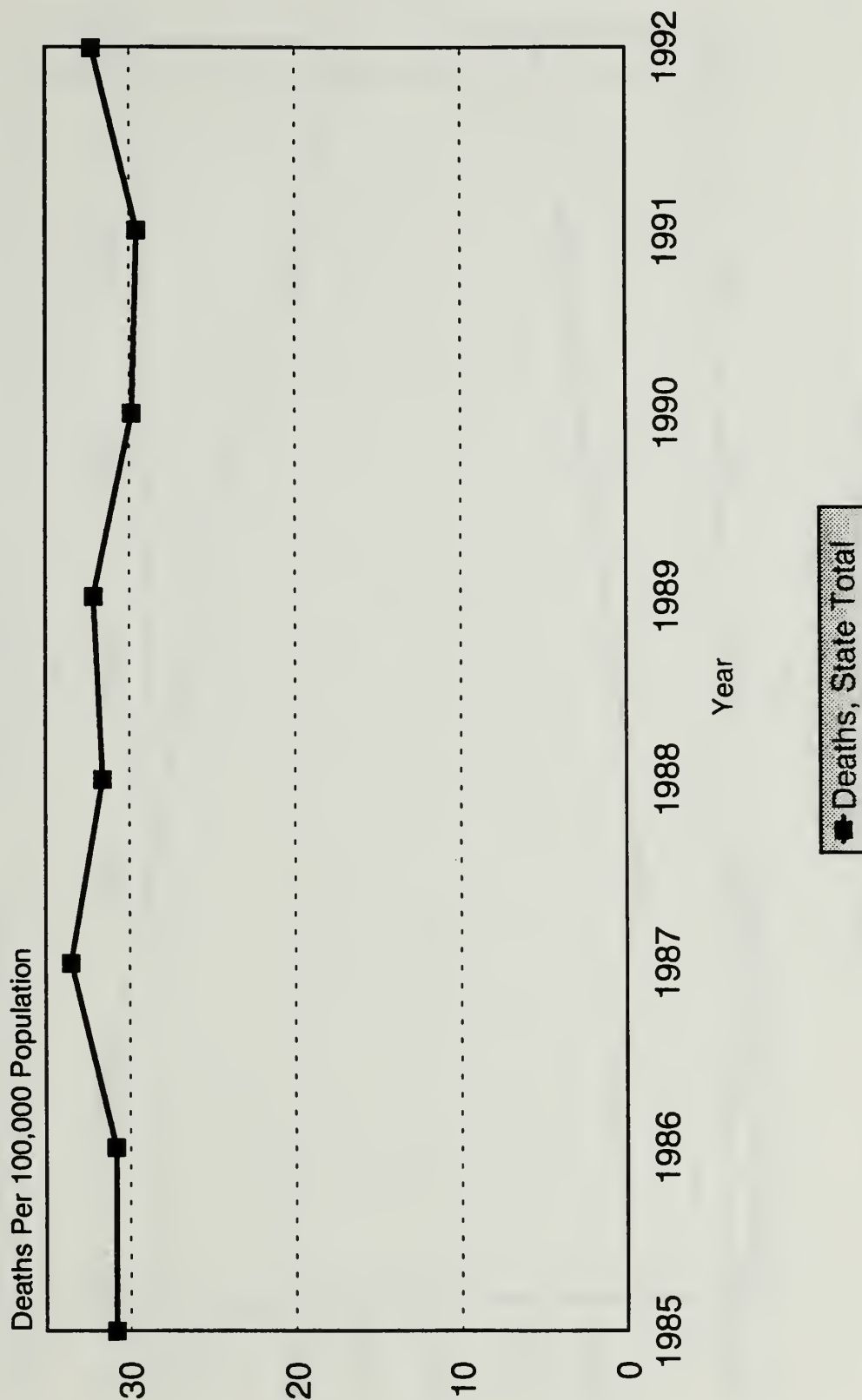
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 5

Substance Abuse Related Deaths

State Trend in Rate per 100,000

1985 - 1992



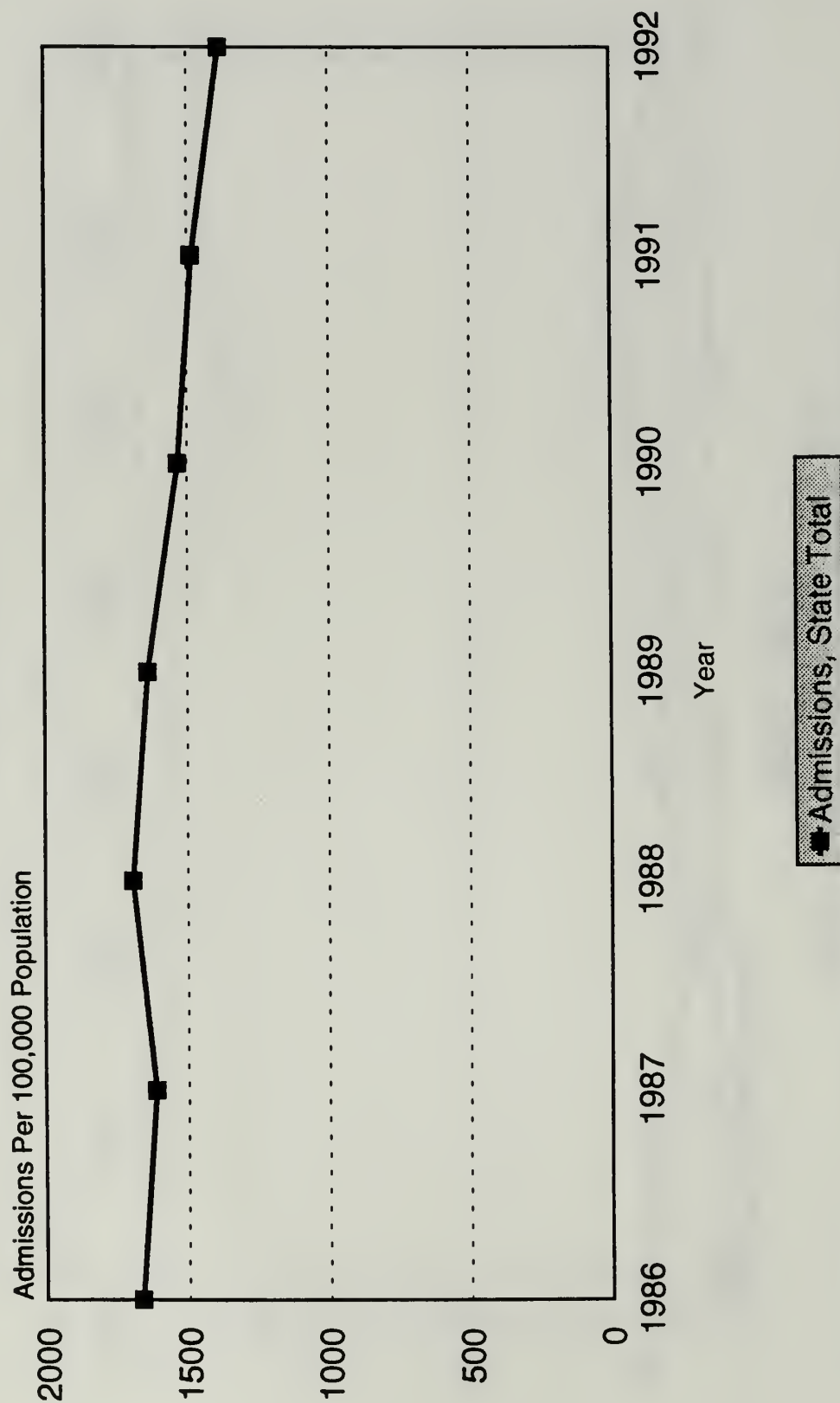
Source:
Massachusetts Department of Public Health,
Bureau of Health Statistics,
Research and Evaluation

Figure 6

Substance Abuse Total Treatment Admissions

State Trend in Rate per 100,000

FY 1986 - FY 1992



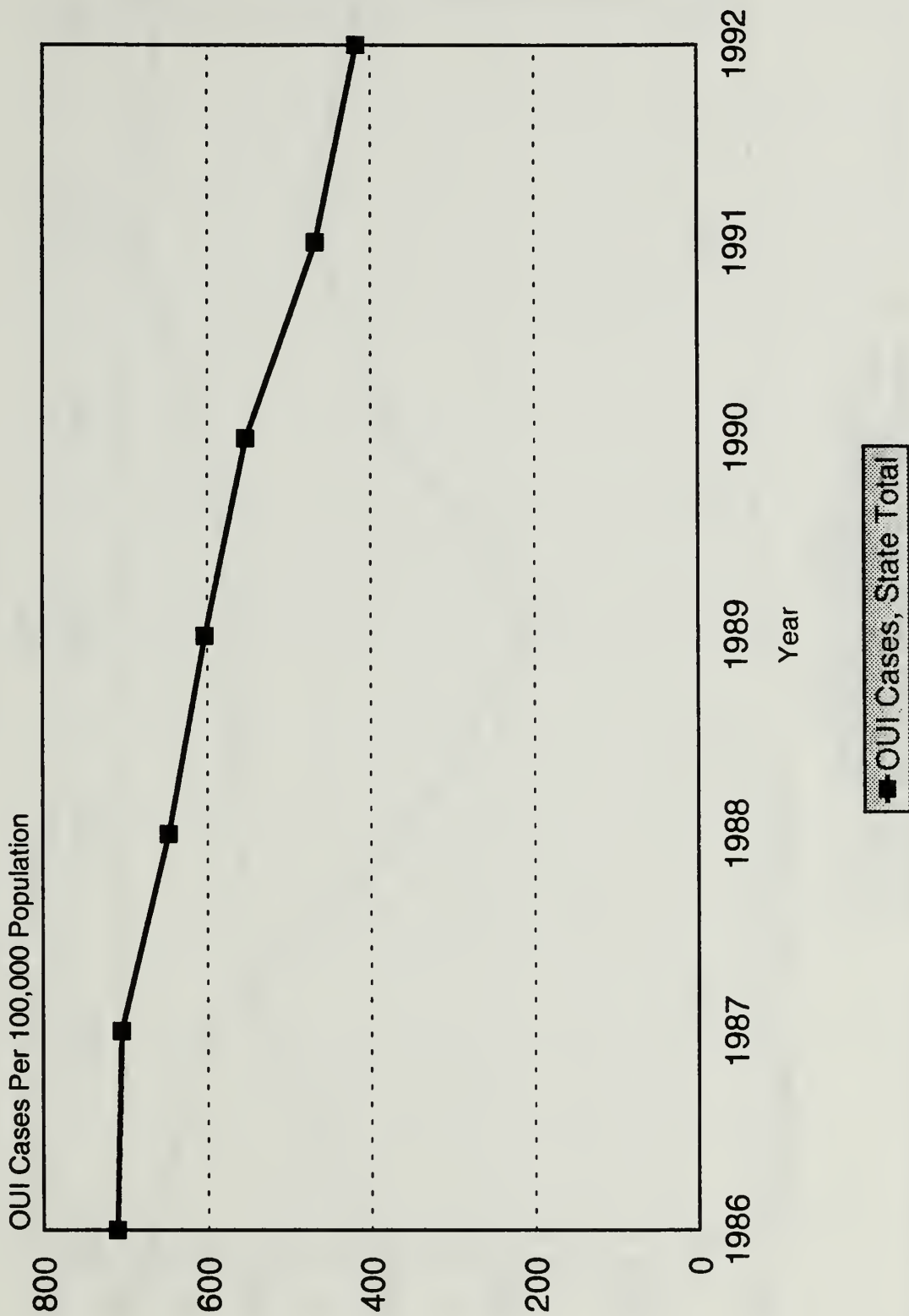
Source:
Massachusetts Department of Public Health,
Bureau of Substance Abuse Services

Figure 7

Operating Under the Influence (OUI) Court Cases

State Trend in Rate per 100,000

1986 - 1992



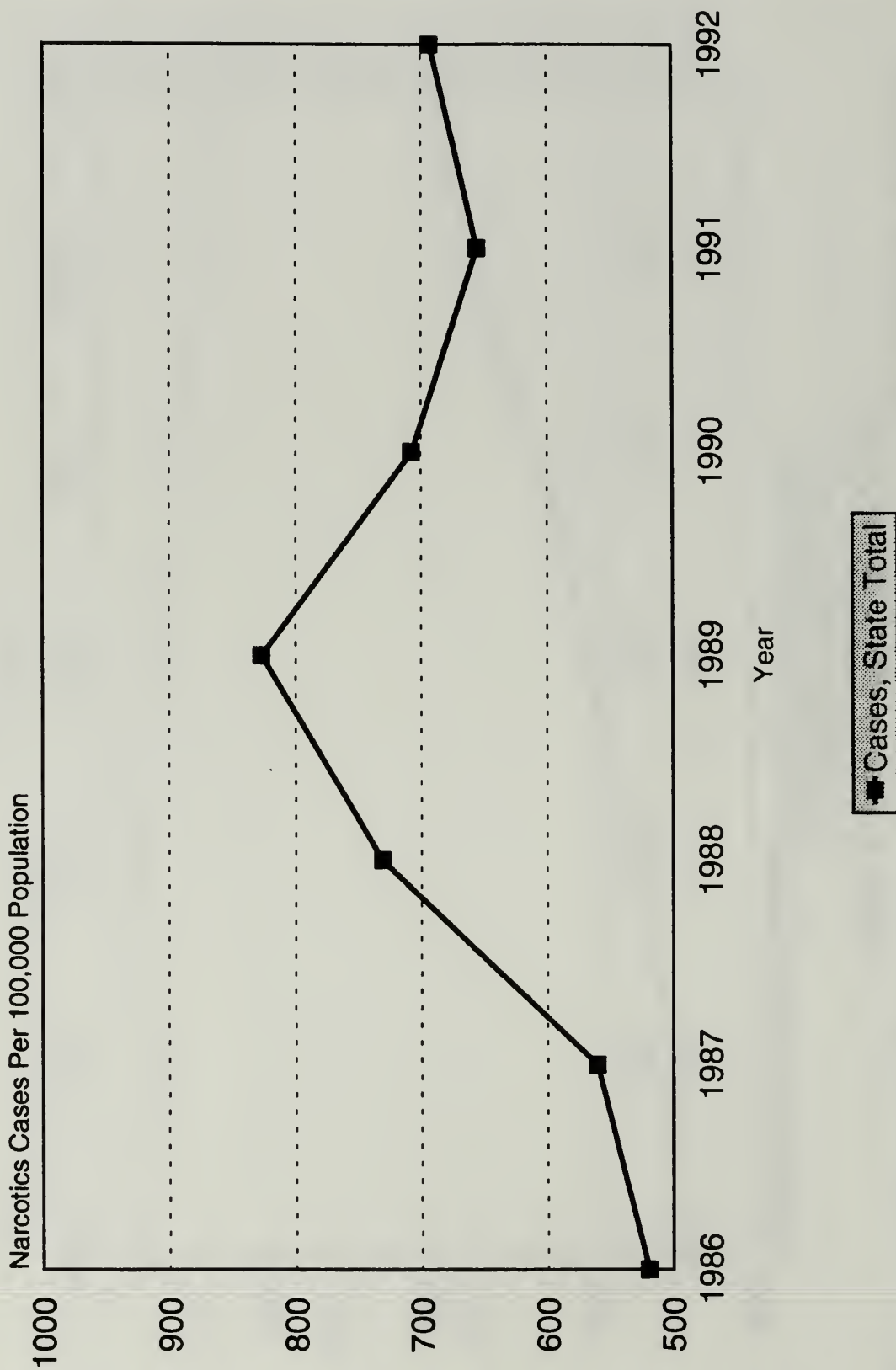
Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 8

Narcotics Court Cases

State Trend in Rate per 100,000

1986 - 1992

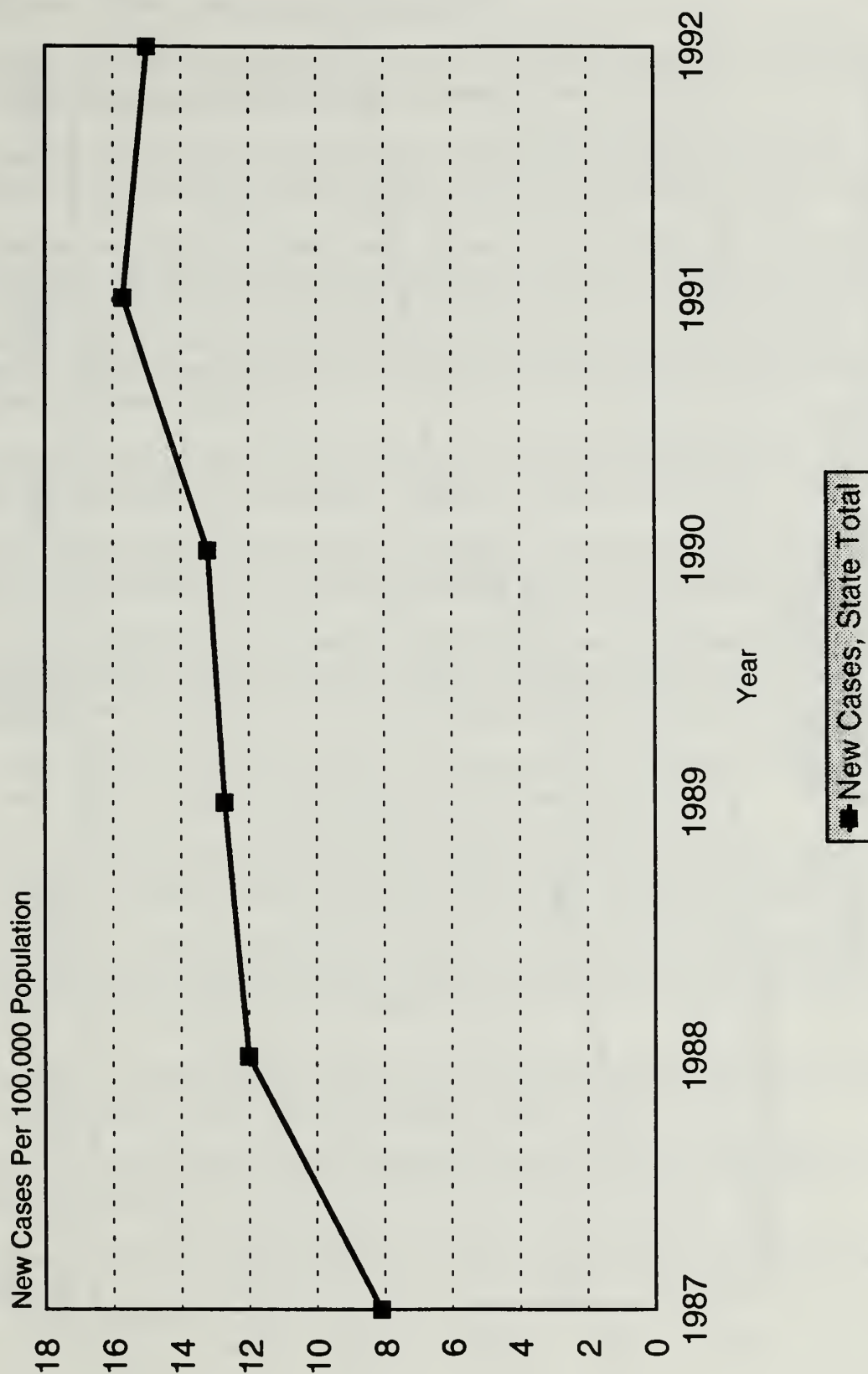


Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 9

Newly Reported AIDS Cases

State Trend in Rate per 100,000
1987 - 1992



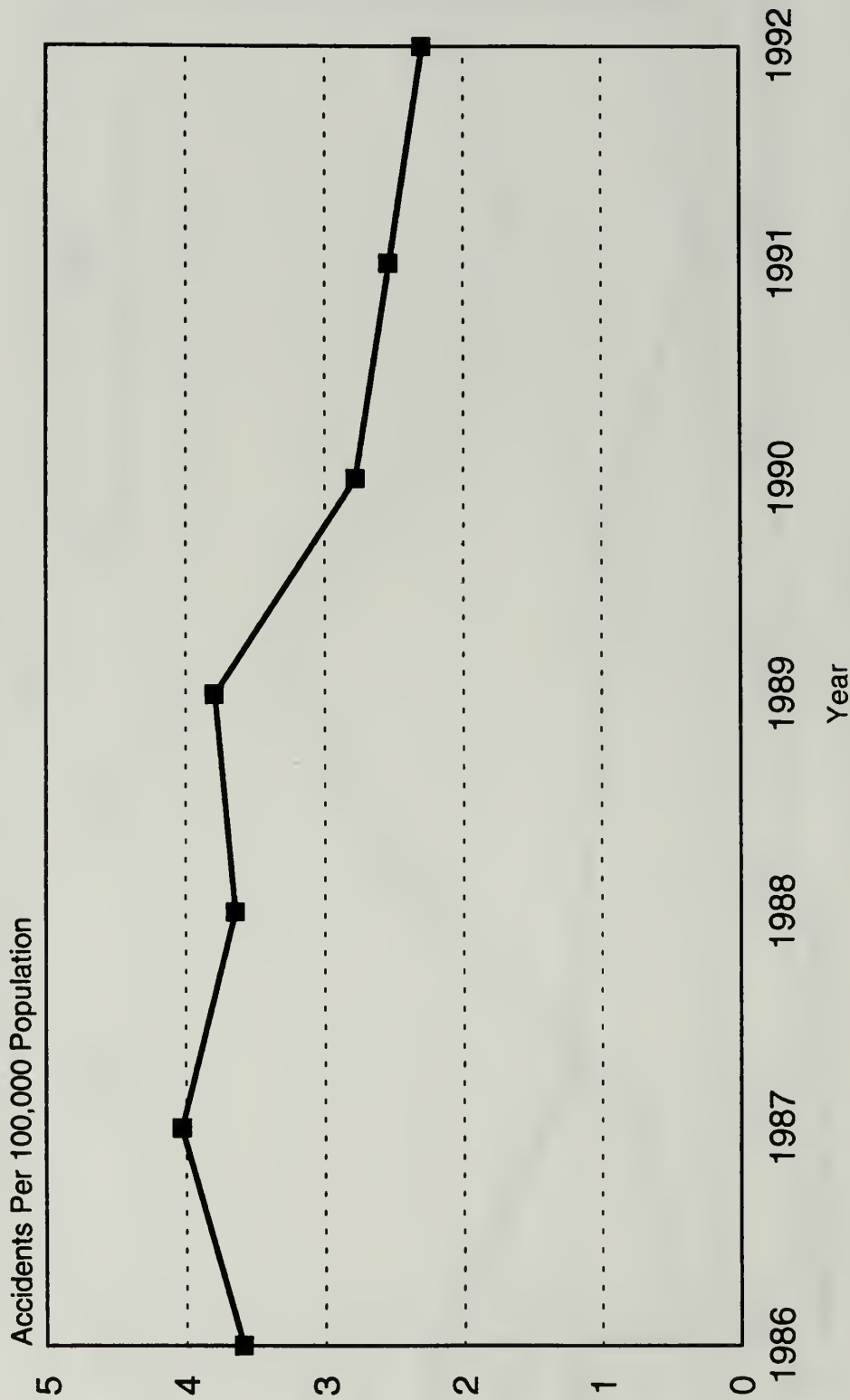
Source:
Massachusetts Department of Public Health,
Center for Disease Control,
AIDS Surveillance Program

Figure 10

Substance Abuse Related Fatal Traffic Accidents

State Trend in Rate per 100,000

1986 - 1992



Source:
Massachusetts Registry of Motor Vehicles

Figure 11

Section 3

Substance Use Indicators Throughout Massachusetts by Size of Community

(1992 totals - Table 2 and Figures 12 through 25)

- The direct and indirect consequences of abuse of alcohol and other drugs were evident in all Massachusetts communities (large and small).
- The eight communities with populations over 90,000 had the highest rates on most measures, while communities with populations under 25,000 generally had lower rates.
- The highest rate of substance abuse related discharges (both drug and alcohol related) was found among communities of more than 90,000 in population (Figures 12-14).
- Hepatitis and liver disease hospital diagnoses were highest among communities of more than 90,000 in population and lowest among communities of 10,000 or less in population (Figures 15 and 16).
- The rates of substance abuse related deaths and total treatment admissions were highest in communities with populations over 90,000 (Figures 17 and 18).
- The rate of total substance abuse treatment admissions rose 52% between communities 50,000-90,000 in population and communities with more than 90,000 (Figure 18).
- The number of liquor licenses issued per 100,000 population was highest among communities under 10,000 in population. Many of these communities are in resort and recreational areas (Figure 19). State law permits at least two licenses per town.
- The rate of OUI court cases was higher for communities with populations of 25,000 and over than for communities under 25,000 population (Figure 20).
- The rate of narcotics court cases was much higher in communities with populations over 90,000, 59% higher than communities 50,000-90,000 in population (Figure 21).
- In communities over 90,000, there was more than twice as many newly diagnosed AIDS cases than in communities 50,000-90,000 in population and about five times as many than in communities less than 50,000 (Figure 22).
- The number of published AA meetings was about the same among communities of all sizes, approximately 40 per 100,000 population (Figure 23).
- Communities with populations over 90,000 had the highest number of published NA meetings (Figure 24).
- Substance abuse related traffic fatalities were highest in communities of 10,000 or less (Figure 25).

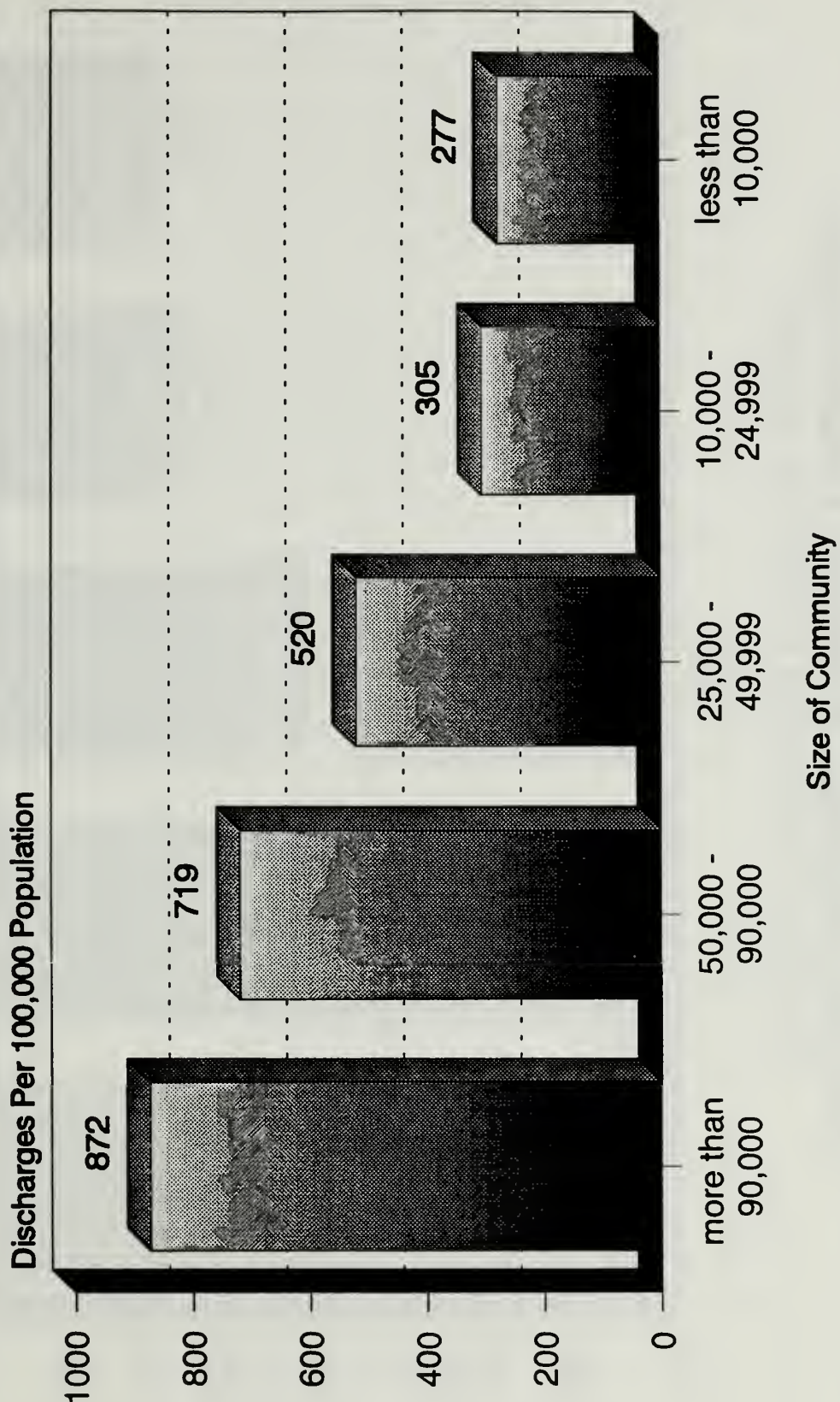
Table 2
Summary of
Size of Community Categories

Size of Community Category	Number of Communities	Total 1990 Census	1992 Projected Population
Over 90,000	8	1,385,679	1,382,589
50,000 - 90,000	13	846,221	843,238
25,000-50,000	95	1,519,170	1,526,864
10,000-25,000	95	1,488,718	1,508,640
Under 10,000	190	776,637	799,550
Totals	351	6,016,425	6,060,881

Substance Abuse Related Hospital Discharges

By Size of Community in Rate Per 100,000

1992



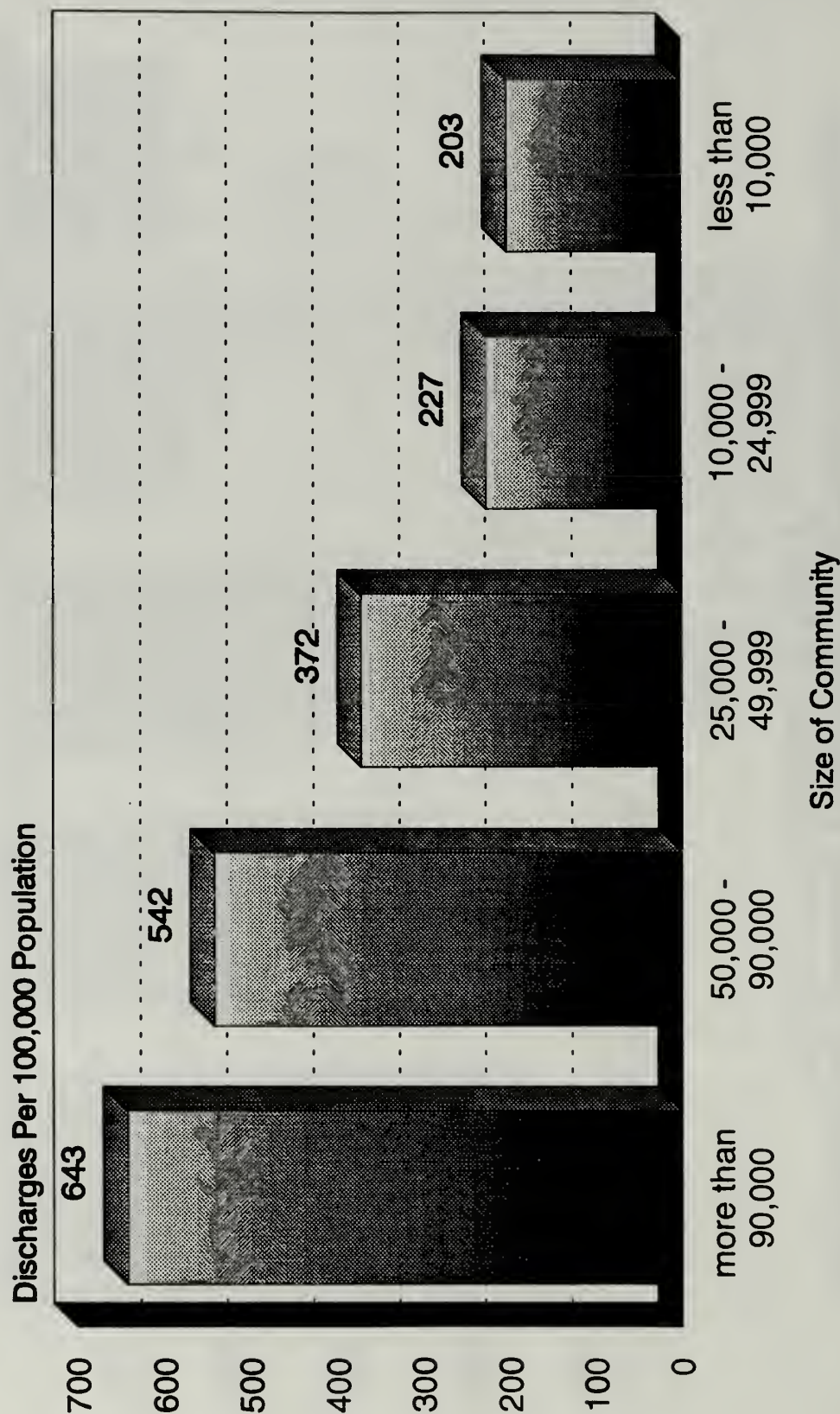
Source: Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 12

Alcohol Related Hospital Discharges

By Size of Community in Rate Per 100,000

1992



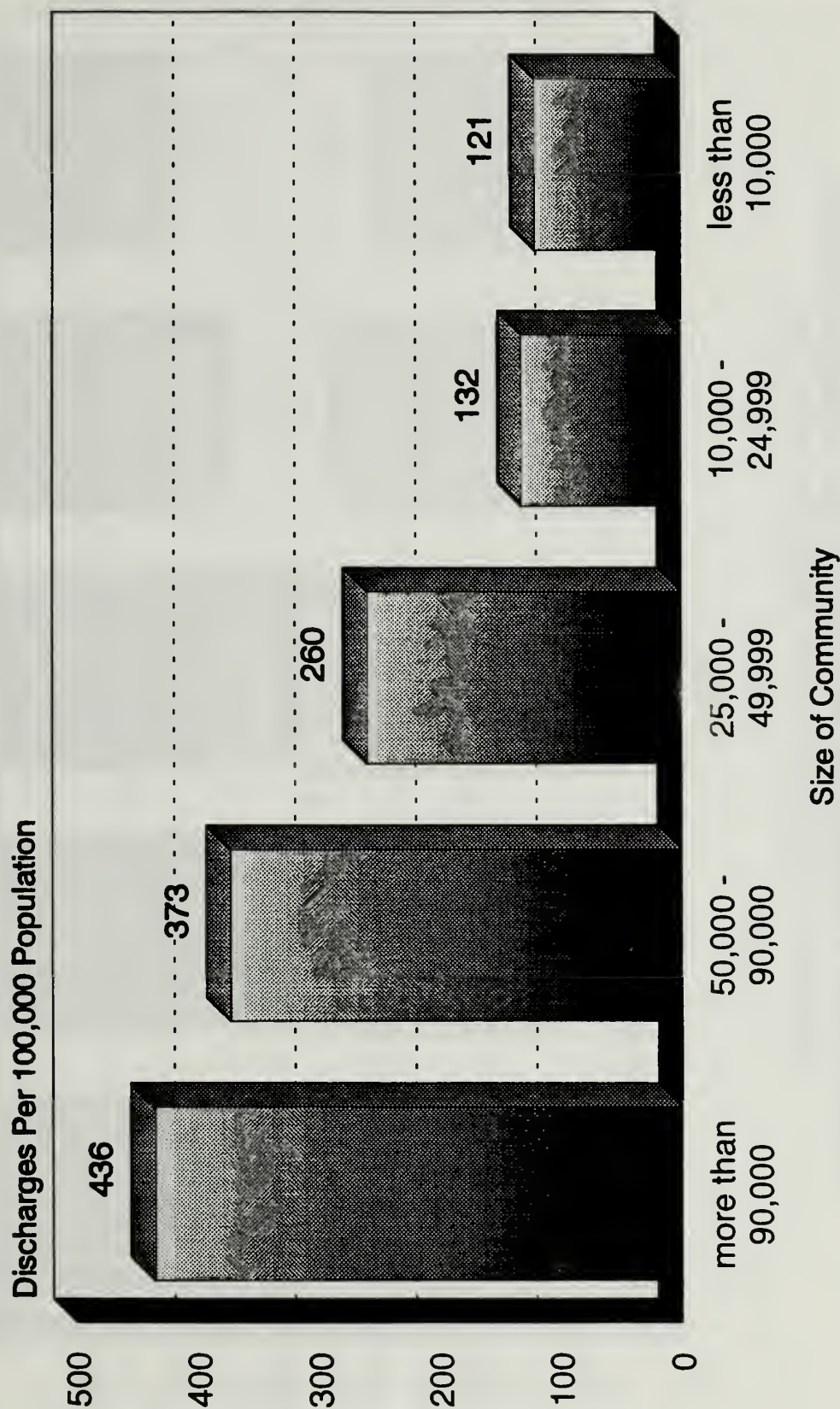
Source: Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 13

Drug Related Hospital Discharges

By Size of Community in Rate Per 100,000

1992



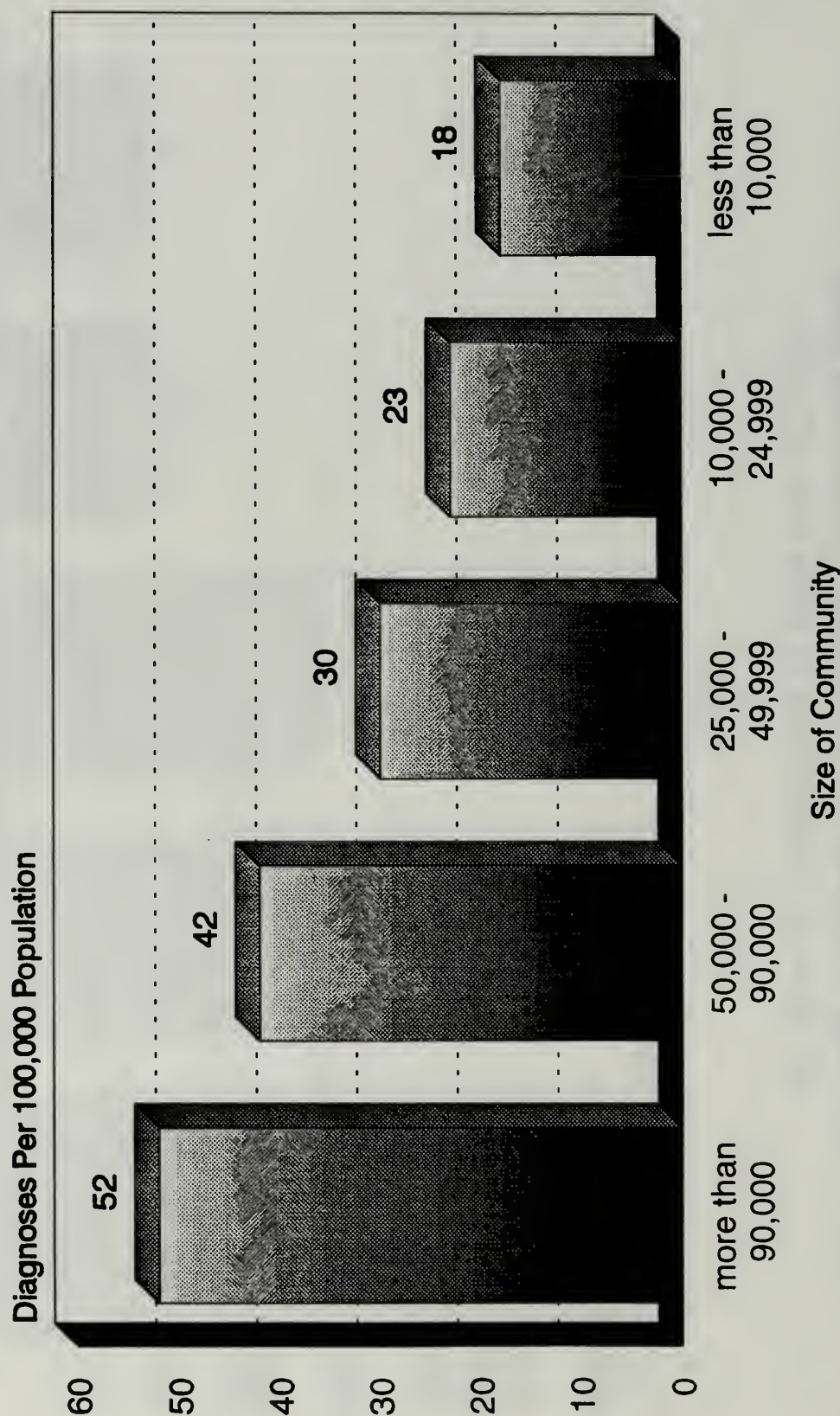
Source: Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 14

Hepatitis Hospital Discharge Diagnoses

By Size of Community in Rate Per 100,000

1992



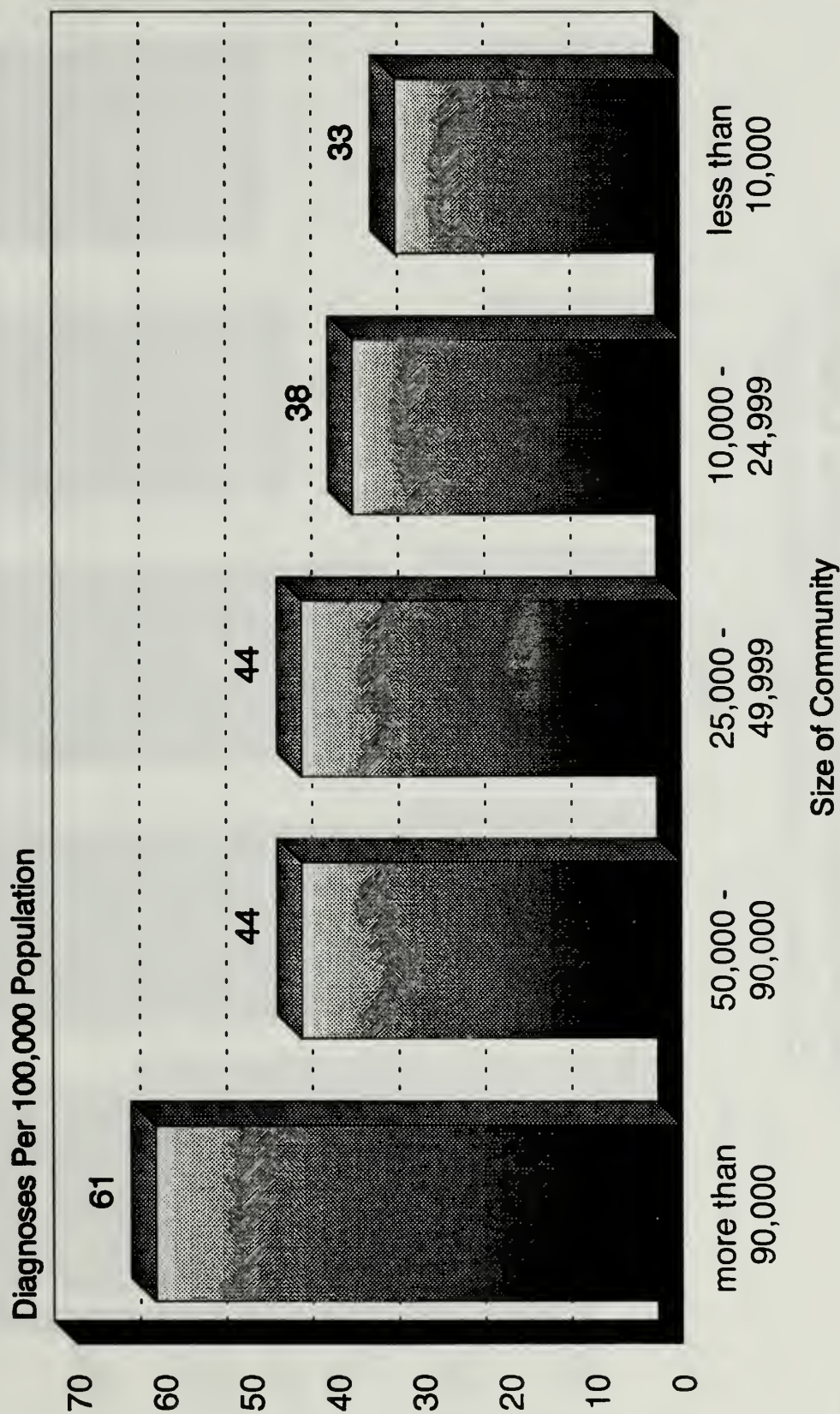
Source: Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 15

Liver Disease Hospital Discharge Diagnoses

By Size of Community in Rate Per 100,000

1992



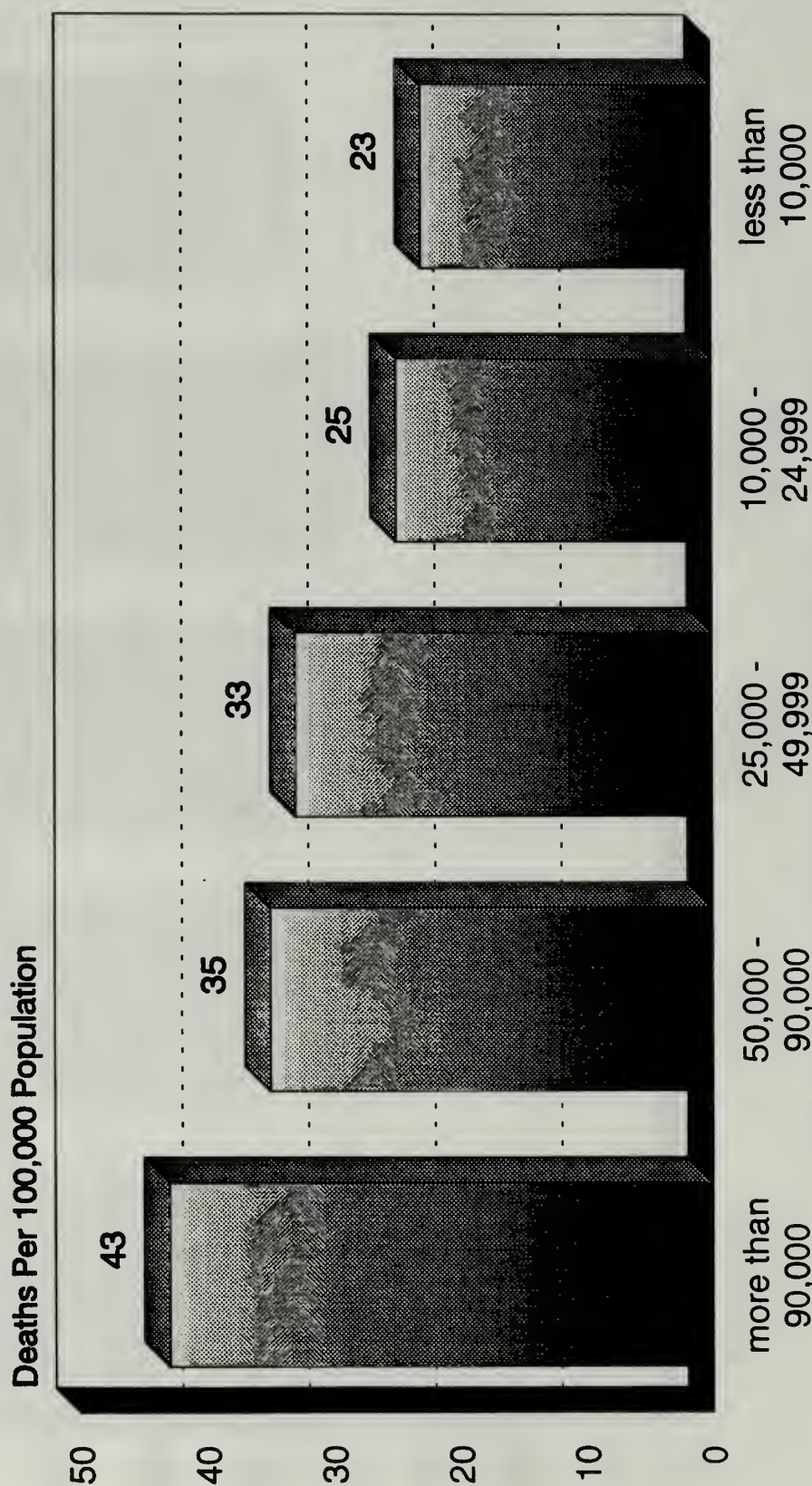
Source: Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 16

Substance Abuse Related Deaths

By Size of Community in Rate Per 100,000

1992



Size of Community

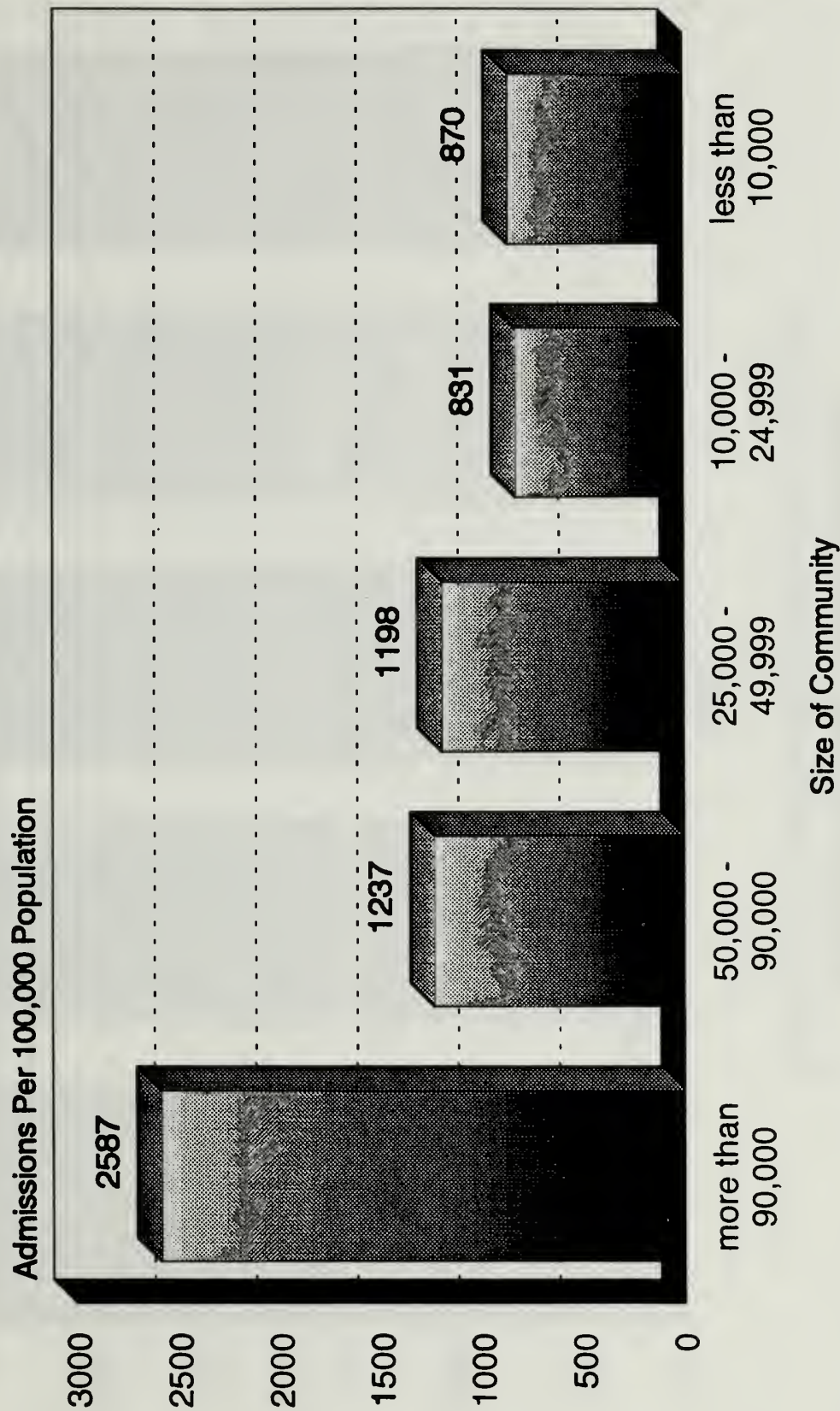
Source: Massachusetts Department of Public Health,
Bureau of Health Statistics,
Research and Evaluation

Figure 17

Substance Abuse Total Treatment Admissions

By Size of Community in Rate Per 100,000

FY 1992

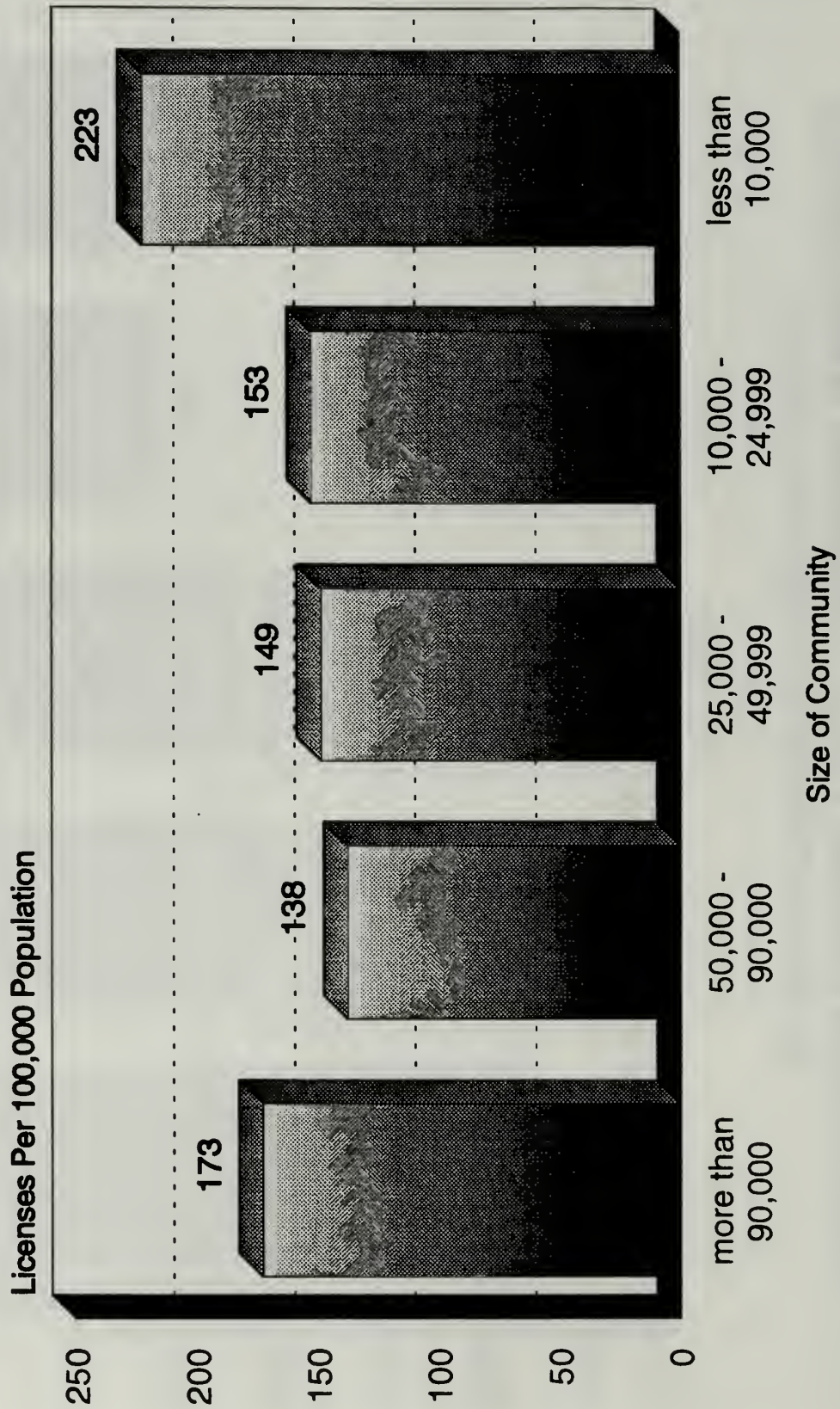


Source:
Massachusetts Department of Public Health,
Bureau of Substance Abuse Services.

Figure 18

Liquor Licenses Issued By Size of Community in Rate Per 100,000

1992



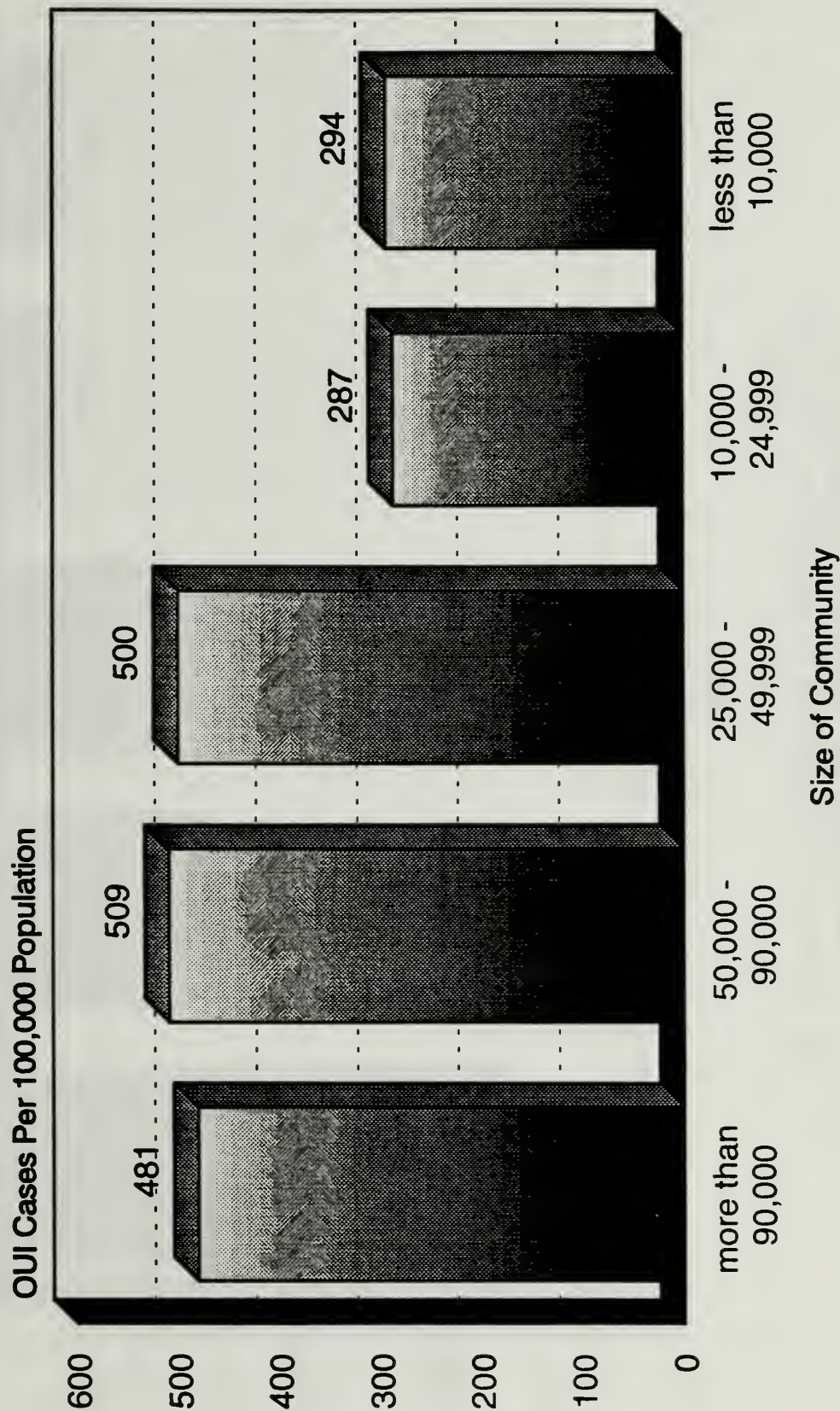
Source: Massachusetts Retail Liquor Licensee Directory,
Massachusetts Alcohol Beverage Control Commission

Figure 19

Operating Under the Influence (OUI) Court Cases

By Size of Community in Rate Per 100,000

1992



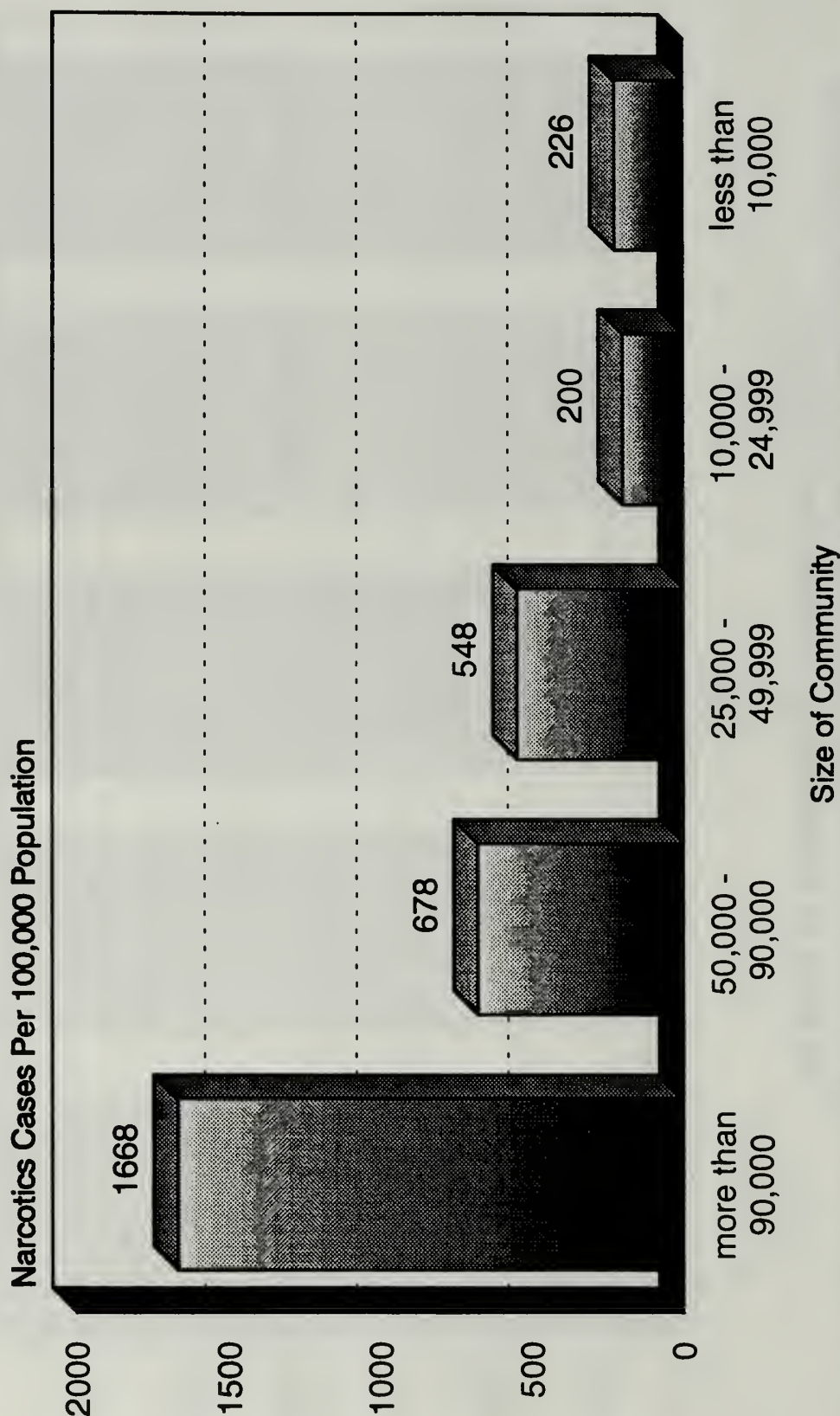
Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 20

Narcotics Court Cases

By Size of Community in Rate Per 100,000

1992



Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 21

Newly Diagnosed AIDS Cases

By Size of Community in Rate Per 100,000

1992

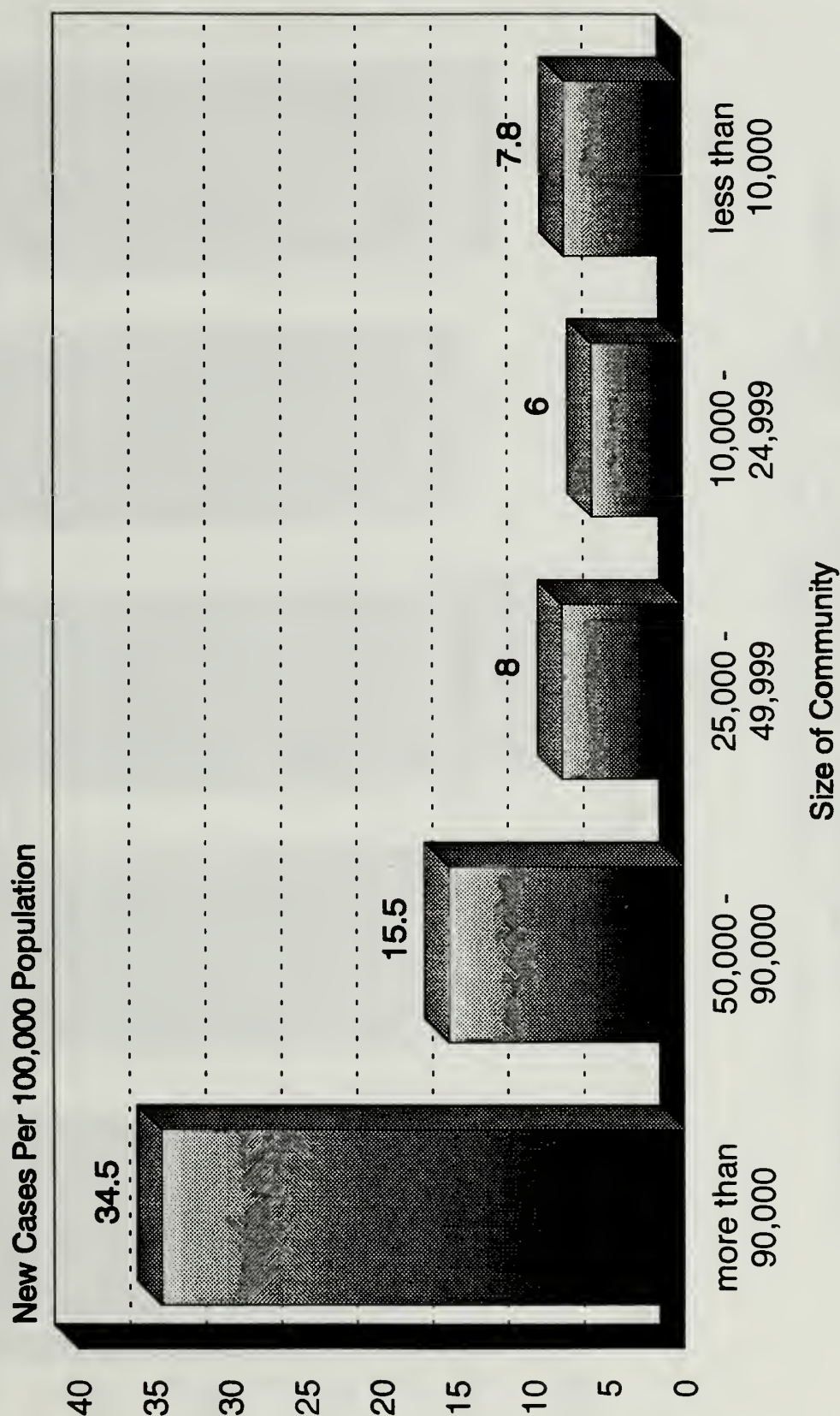


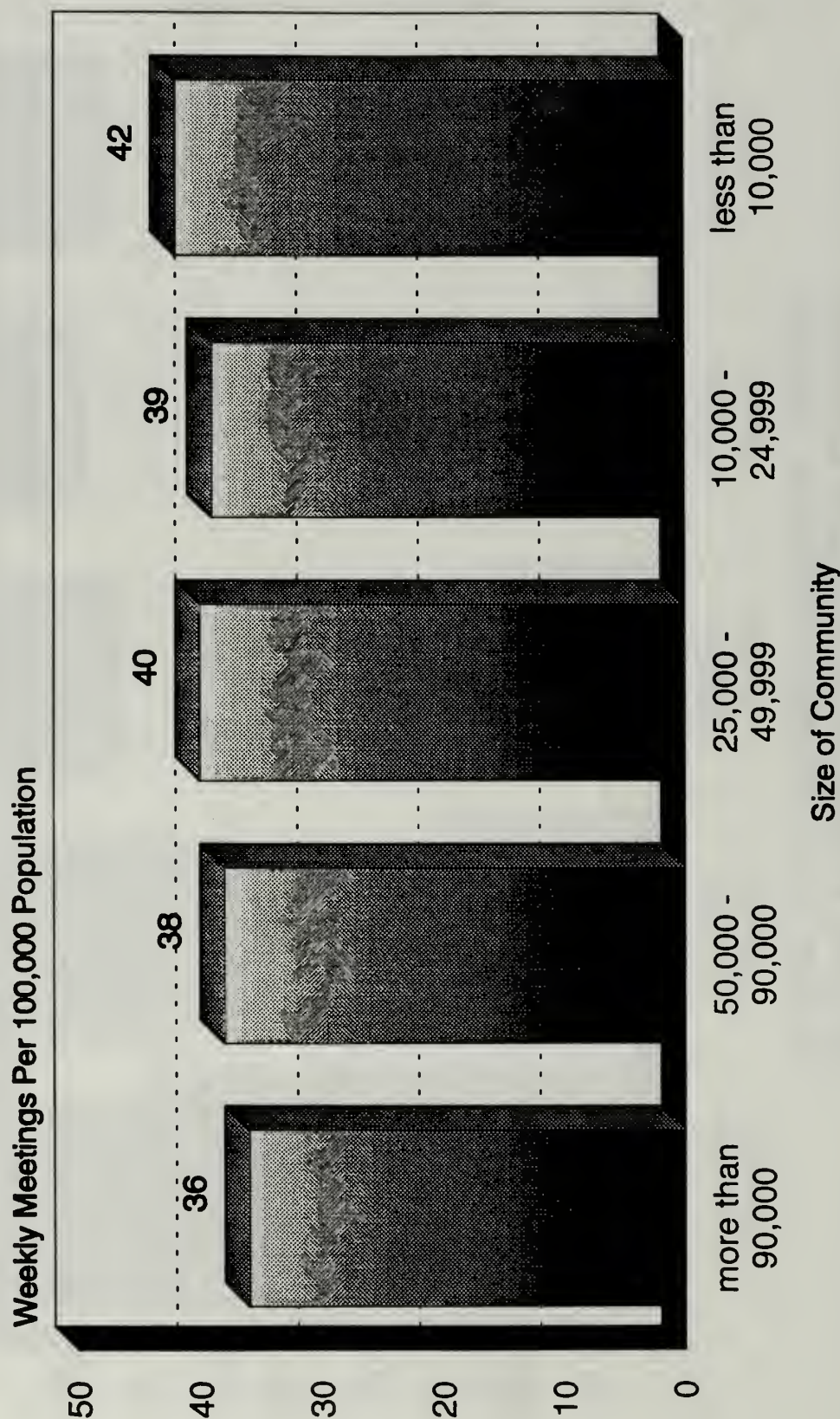
Figure 22

Source:
Massachusetts Department of Public Health
and Massachusetts Rate Setting Commission

Weekly Alcoholics Anonymous Meetings

By Size of Community in Rate Per 100,000

1992



Source: AA Meeting Lists

Figure 23

Weekly Narcotics Anonymous Meetings

By Size of Community in Rate Per 100,000

1992

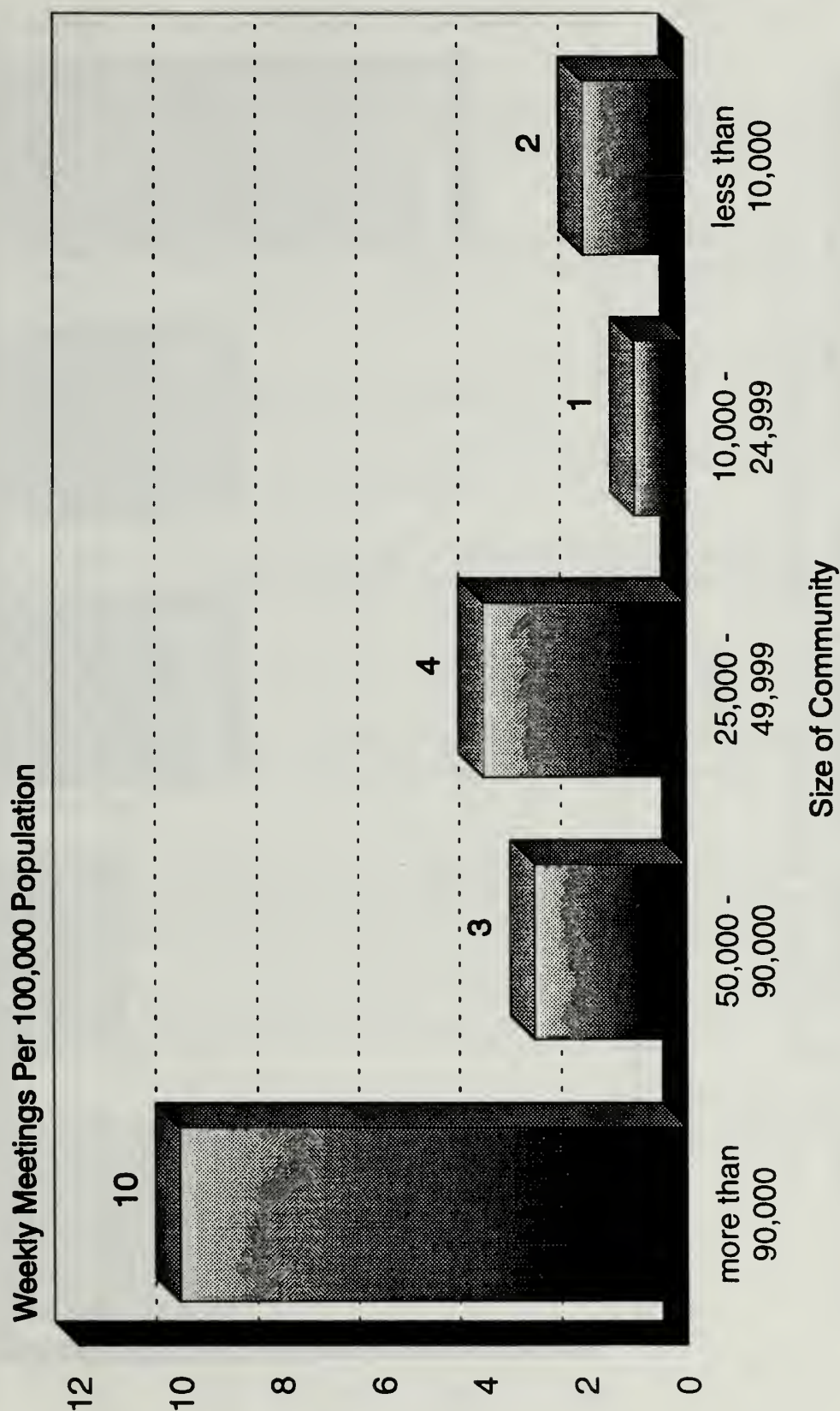


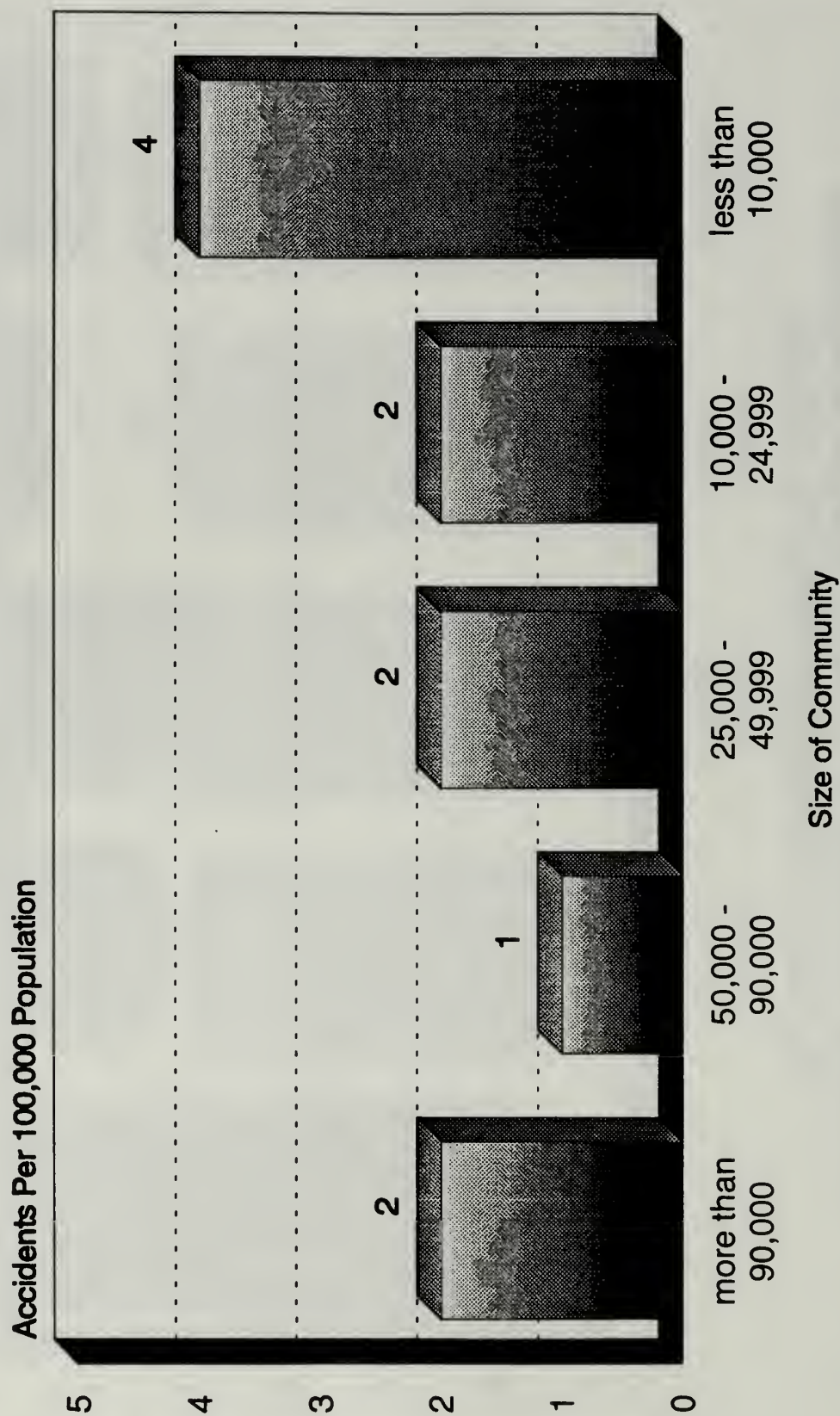
Figure 24

Source: NA Meeting Lists

Substance Abuse Related Fatal Traffic Accidents

By Size of Community in Rate Per 100,000

1992



Source:
Massachusetts Registry of Motor Vehicles

Figure 25

Section 4

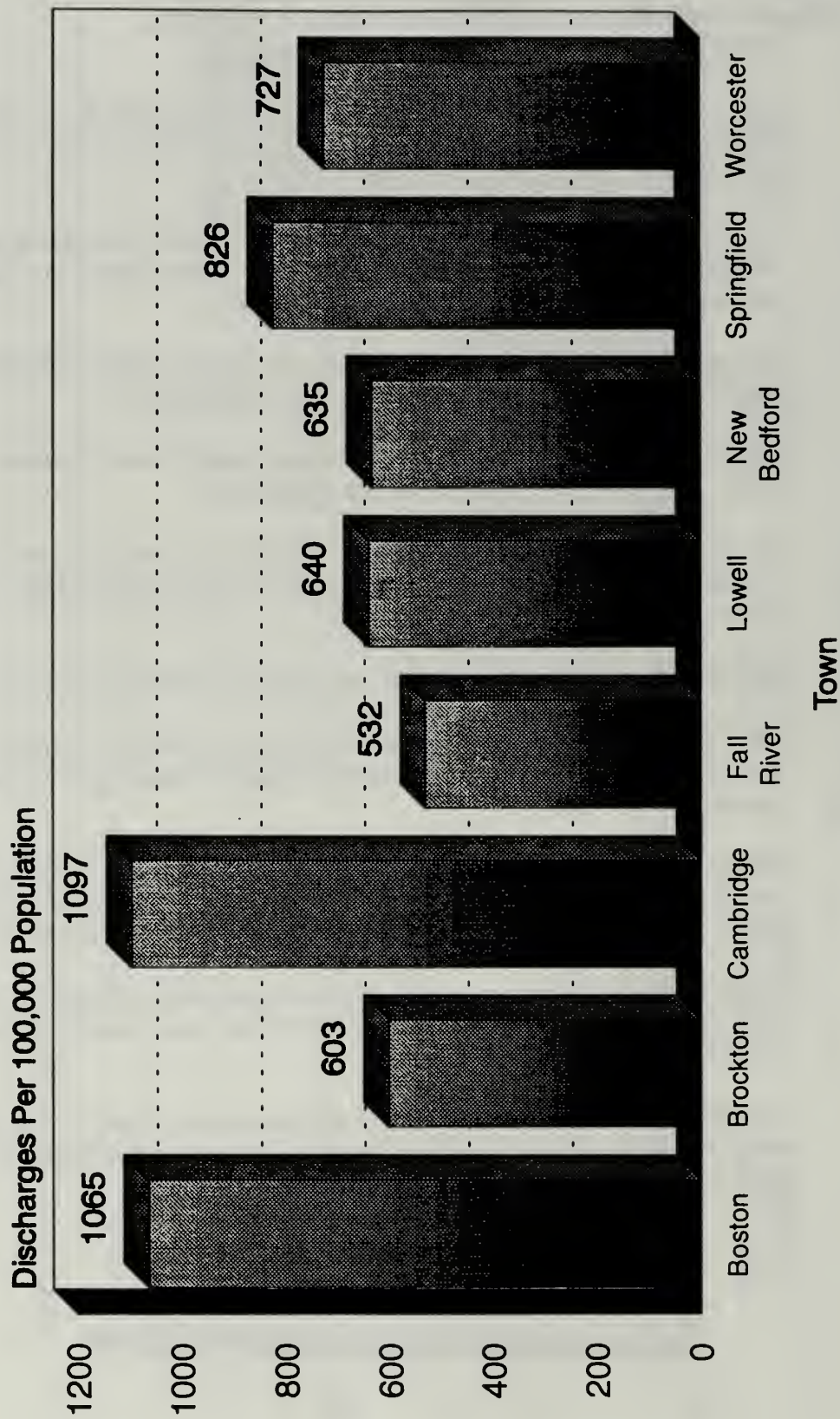
Substance Use Indicators in Cities over 90,000 in Population

(1992 totals - Figures 26 through 32)

- The eight cities in Massachusetts with a population in 1990 of over 90,000 are BOSTON, BROCKTON, CAMBRIDGE, FALL RIVER, LOWELL, NEW BEDFORD, SPRINGFIELD, AND WORCESTER.
- Among these cities, CAMBRIDGE had the highest rate of substance abuse related hospital discharges per 100,000 population (1,097), but a fairly low number (38) of substance abuse related deaths (Figures 26 and 27).
- The highest substance abuse related death rates were in NEW BEDFORD and FALL RIVER, with 55 deaths per 100,000 population (Figure 27).
- BOSTON and SPRINGFIELD had the highest rates of total admissions to substance abuse treatment per 100,000 population (Figure 28).
- The number of liquor licenses issued per 100,000 population was much higher for CAMBRIDGE than it was for the other cities with more than 90,000 population (Figure 29).
- LOWELL had the lowest number of liquor licenses issued (Figure 29).
- BOSTON and CAMBRIDGE had the highest rates of weekly Alcoholics Anonymous meetings (Figure 30). These two cities also had the highest rate of Narcotics Anonymous meetings.
- BROCKTON had a comparably low rate of liquor licenses issued (141) and the lowest rate of substance abuse related deaths (21 per 100,000 population) as well as the lowest number of substance abuse total treatment admissions (1642) (Figures 27-29).
- SPRINGFIELD had the lowest rate of operating under the influence court cases while LOWELL and FALL RIVER had the highest rates, more than twice that of SPRINGFIELD (Figure 31).
- CAMBRIDGE and WORCESTER had the lowest rate of narcotics court cases while NEW BEDFORD had the highest, five times higher than CAMBRIDGE and three times higher than WORCESTER (Figure 32).

Substance Abuse Related Hospital Discharges

Towns of 90,000 Population or More in Rate per 100,000
1992



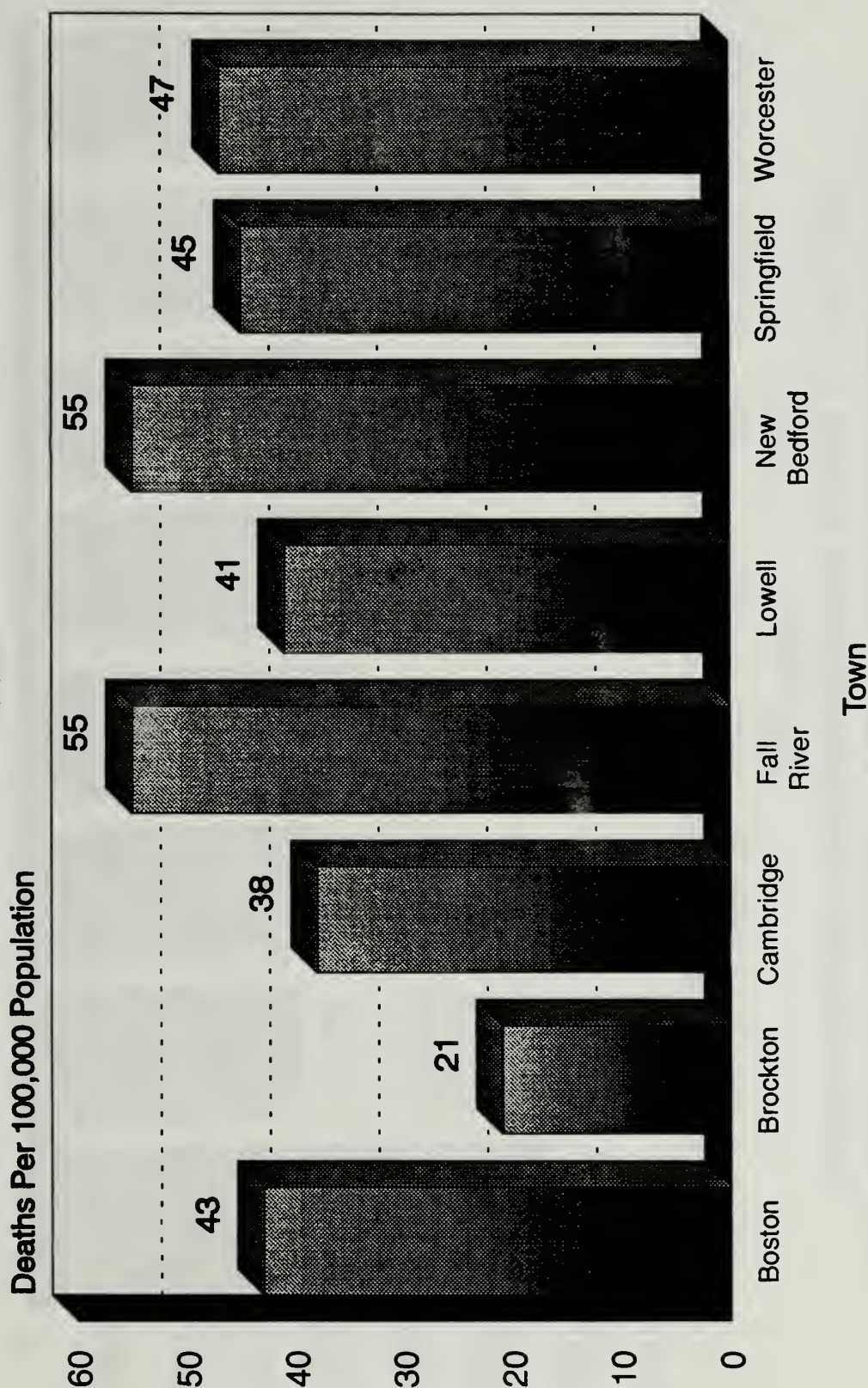
Source: Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 26

Substance Abuse Related Deaths

Towns of 90,000 Population or More in Rate per 100,000

1992



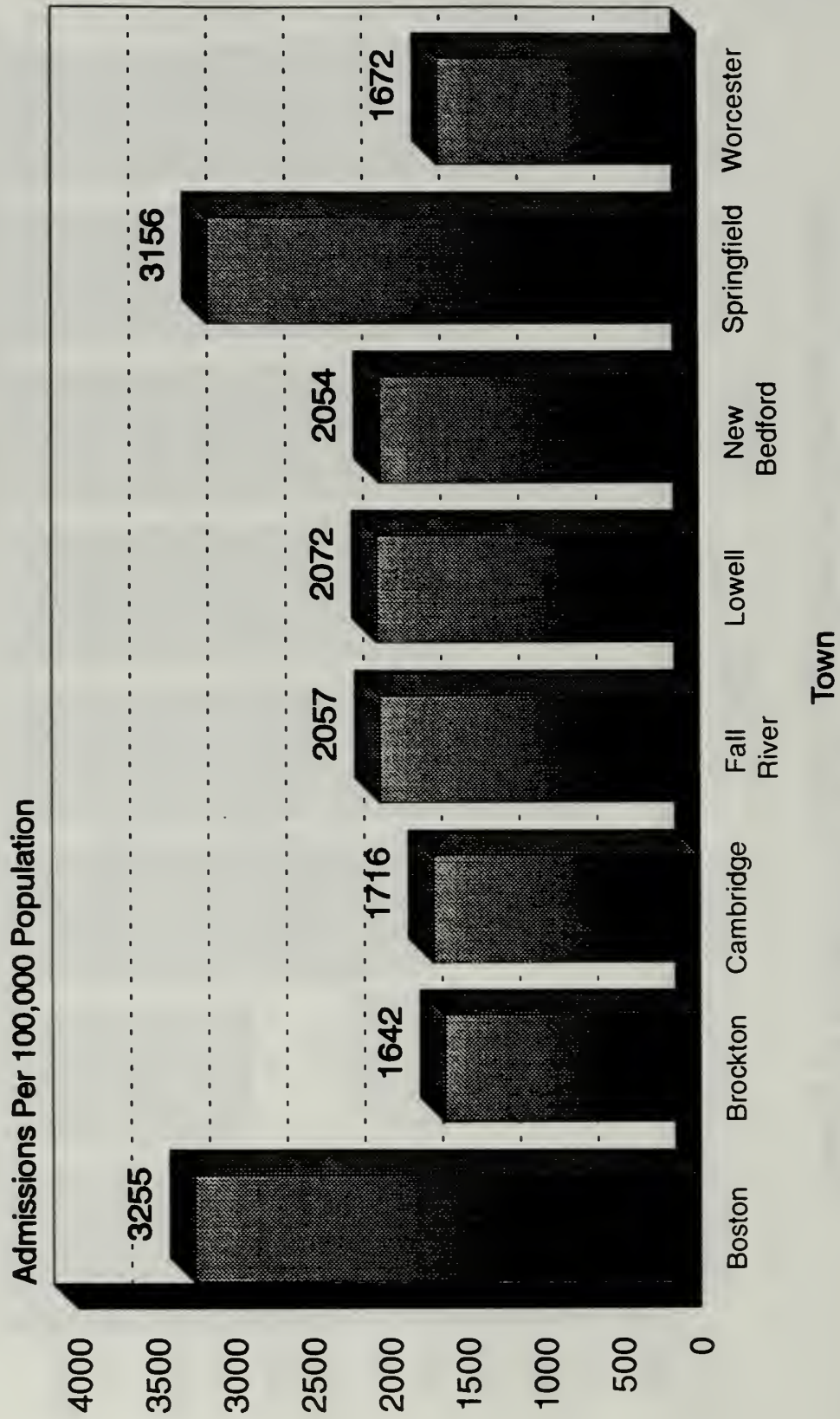
Source: Massachusetts Department of Public Health, Bureau of Health Statistics, Research and Evaluation

Figure 27

Substance Abuse Total Treatment Admissions

Towns of 90,000 Population or More in Rate per 100,000

FY 1992



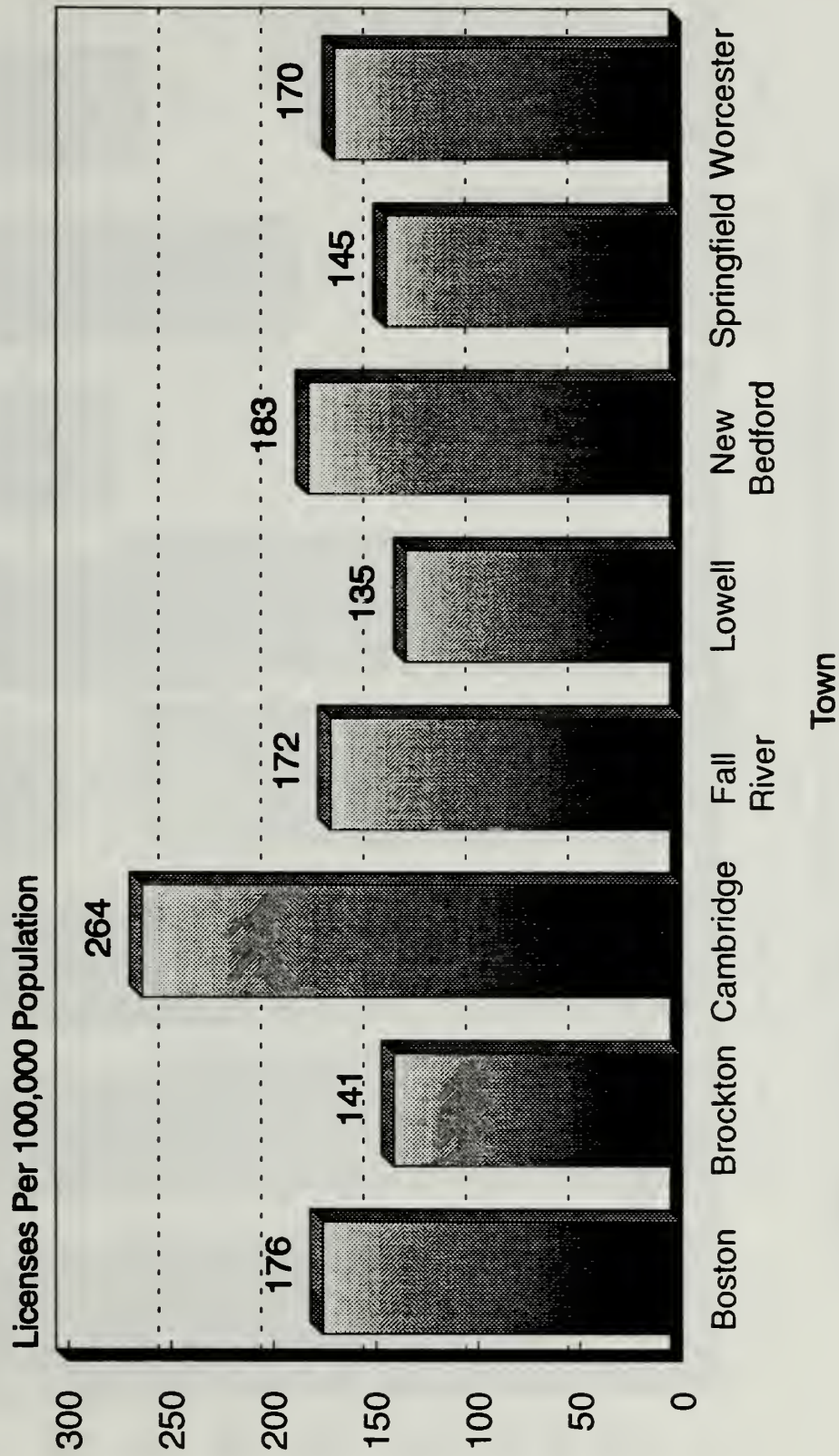
Source:
Massachusetts Department of Public Health,
Bureau of Substance Abuse Services

Figure 28

Liquor Licenses Issued

Towns of 90,000 Population or More in Rate per 100,000

1992



Source: Massachusetts Retail Liquor Licensee Directory,
Massachusetts Alcohol Beverage Control Commission

Figure 29

Weekly Alcoholics Anonymous Meetings

Towns of 90,000 Population or More in Rate per 100,000

1992

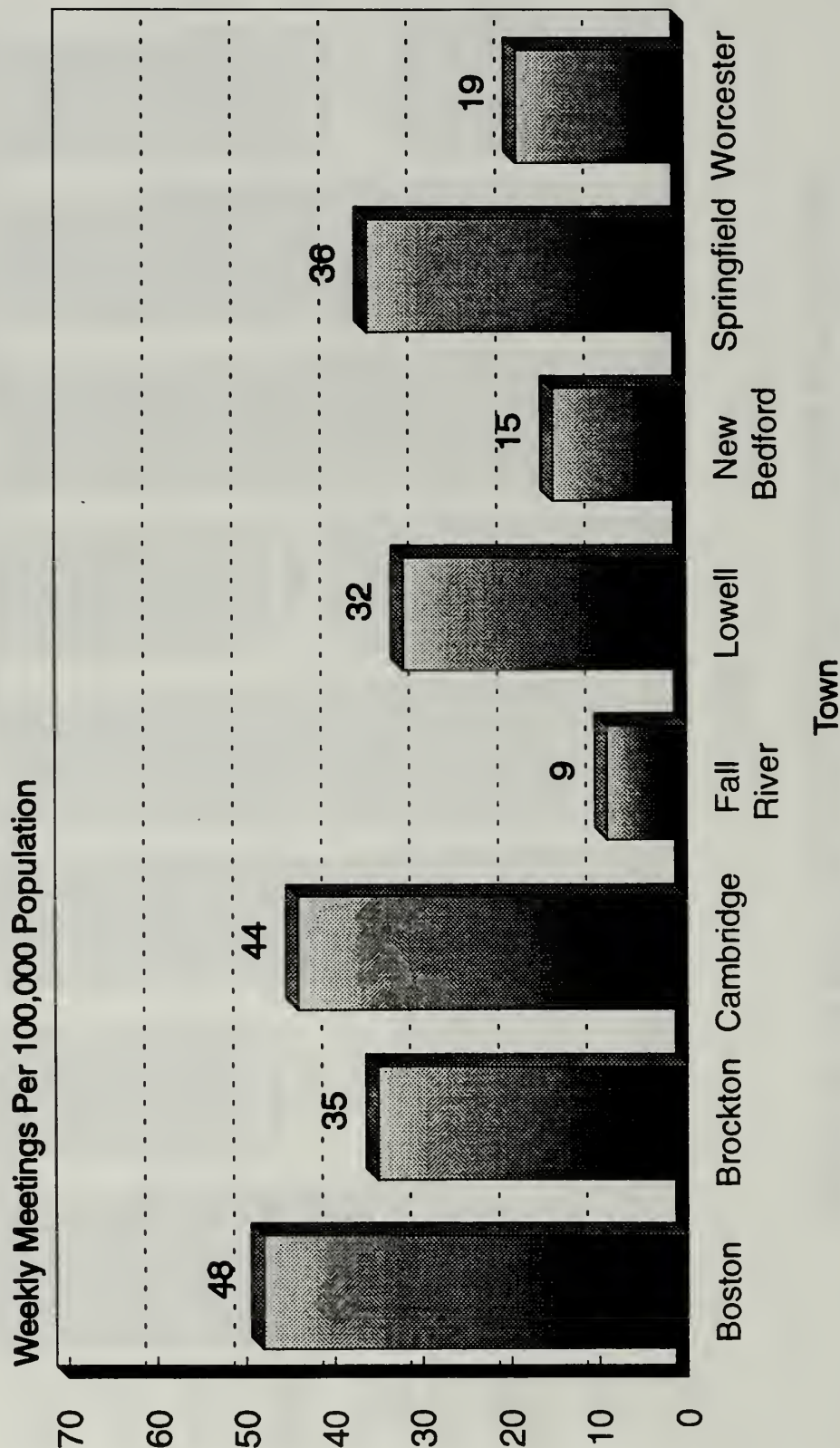


Figure 30

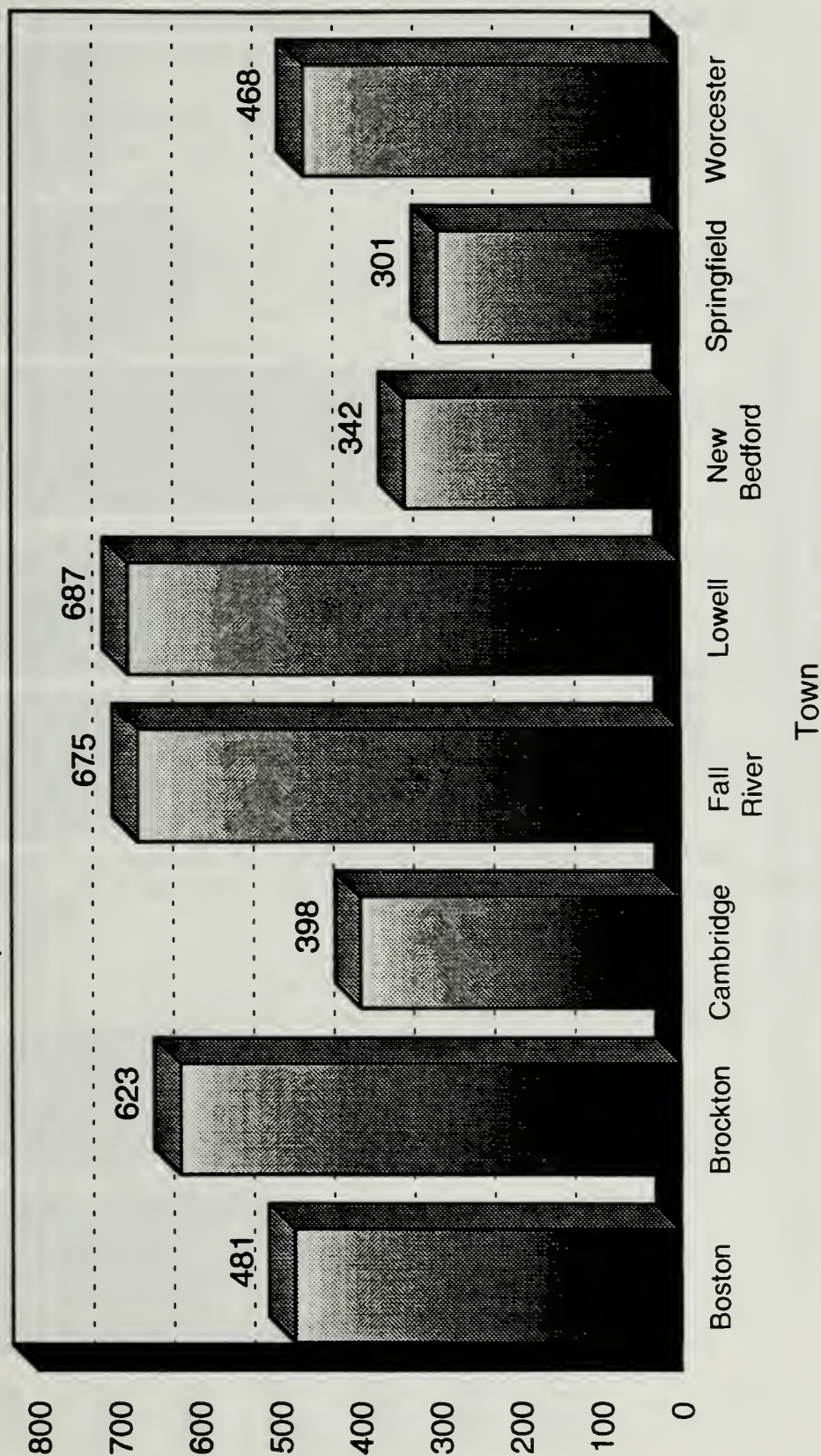
Source: AA Meeting Lists

Operating Under the Influence (OUI) Court Cases

Towns of More than 90,000 in Population in Rate per 100,000

1992

OUI Cases Per 100,000 Population



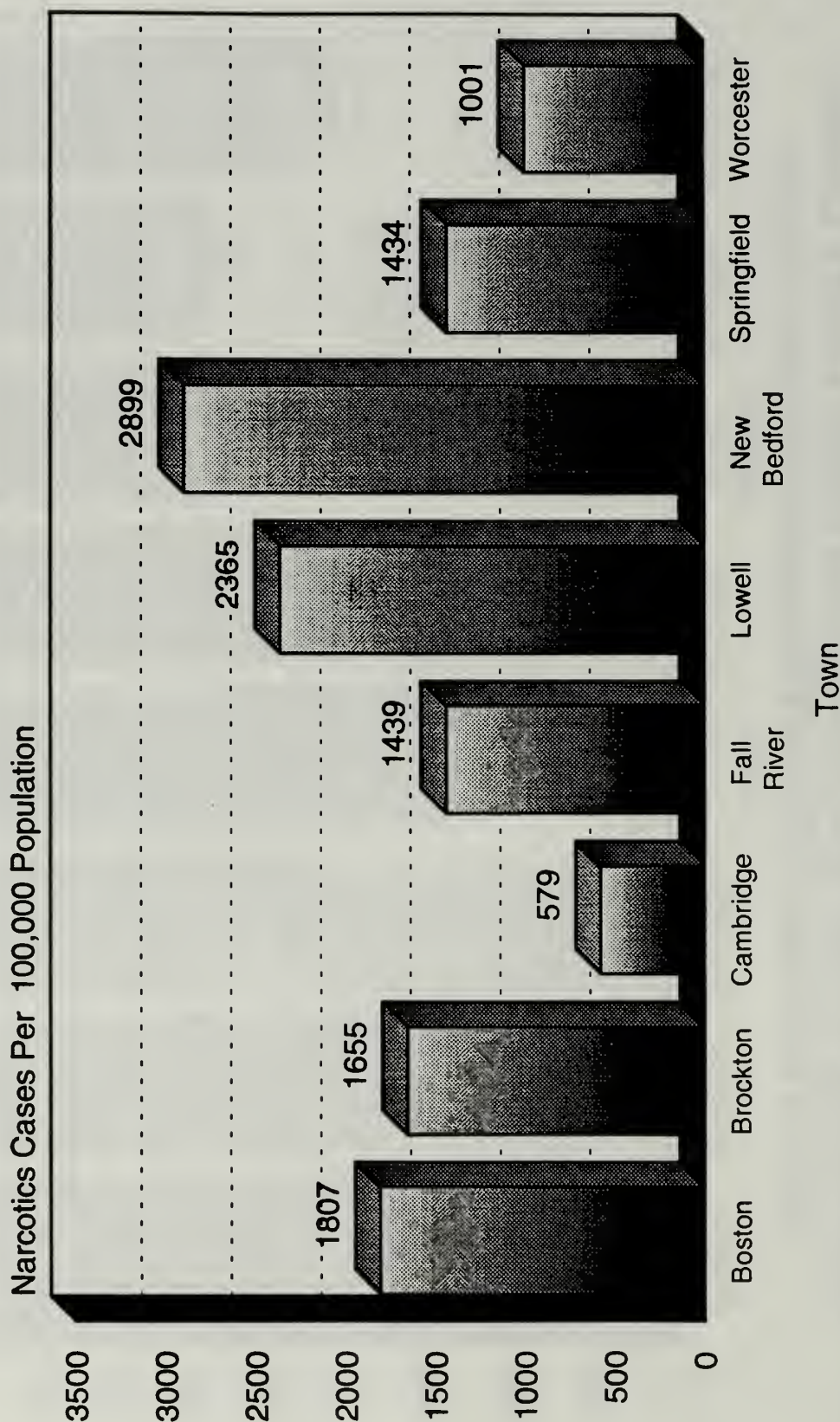
Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 31

Narcotics Court Cases

Towns of More than 90,000 in Population in Rate per 100,000

1992



Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 32

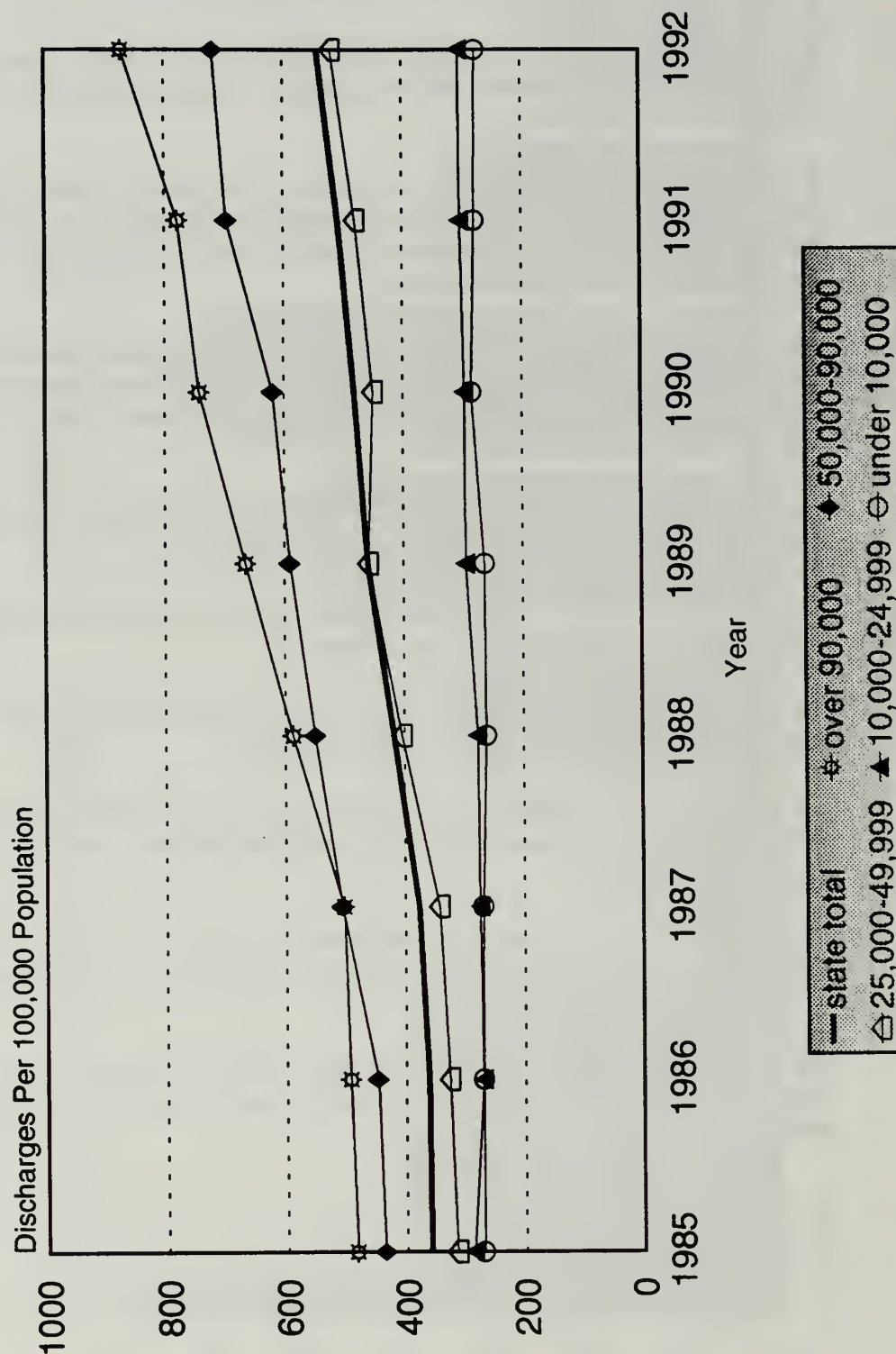
Section 5

Trends in Substance Use Indicators Throughout Massachusetts by Size of Community (Years 1985 through 1992 - Figures 33 through 42)

- Between 1985 and 1992, the rate per 100,000 of substance abuse related hospital discharges increased, primarily due to increases in communities with populations 25,000 and over (Figure 33).
- A similar trend between 1985 and 1992 was seen for alcohol related hospital discharges (Figure 34) and drug related hospital discharges (Figure 35); increases were due to elevations among communities 25,000 and over in population, with smaller communities remaining at a stable rate.
- While the overall state rate per 100,000 population for hepatitis hospital diagnoses stayed relatively stable between 1985 and 1992, some increases were seen among communities 50,000 and over and some decreases were seen among communities under 10,000 population (Figure 36).
- Most communities showed a slight decrease for rate per 100,000 population liver disease hospital diagnoses from 1985 to 1992 (Figure 37).
- Between 1985 and 1992, the rate of substance abuse related deaths remained virtually constant for communities of all sizes (Figure 38).
- The rate per 100,000 of substance abuse total treatment admissions decreased for all sizes of communities from 1986 to 1992 (Figure 39).
- The rate per 100,000 population for operating under the influence court cases decreased between 1986 and 1992, with consistent decreases seen in communities of all sizes (Figure 40).
- The rate per 100,000 of narcotics court cases increased from 1986 to 1989 and decreased from 1989 to 1992, with this trend most prominent in communities of over 90,000 population (Figure 41).
- The rate per 100,000 population for substance abuse traffic fatalities has decreased slightly between 1986 and 1992 for all sizes of communities, especially those with populations 10,000 or less (Figure 42).

Substance Abuse Related Hospital Discharges

Trend by Size of Community in Rate Per 100,000
1985 - 1992



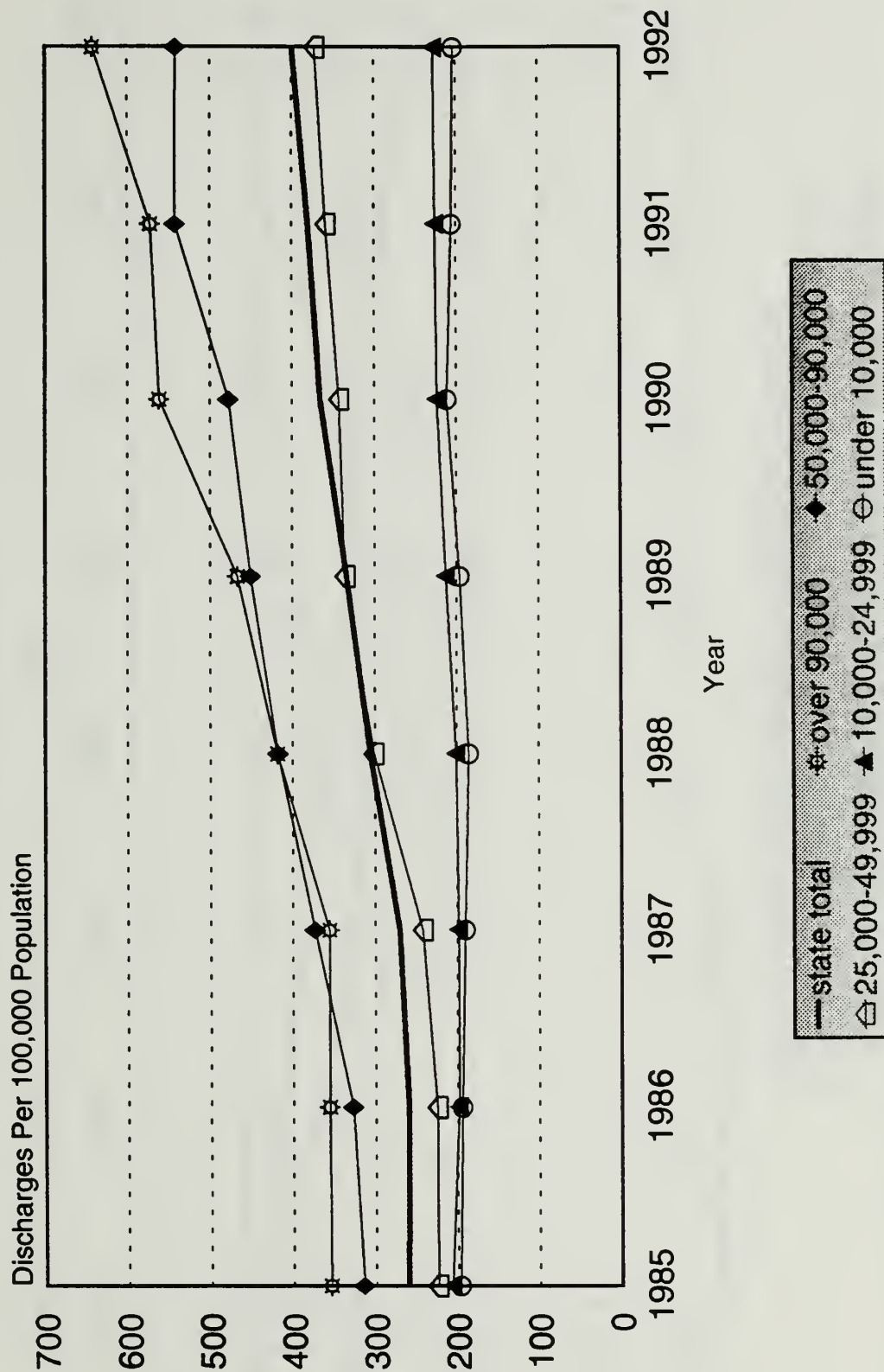
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 33

Alcohol Related Hospital Discharges

Trend by Size of Community in Rate per 100,000

1985 - 1992



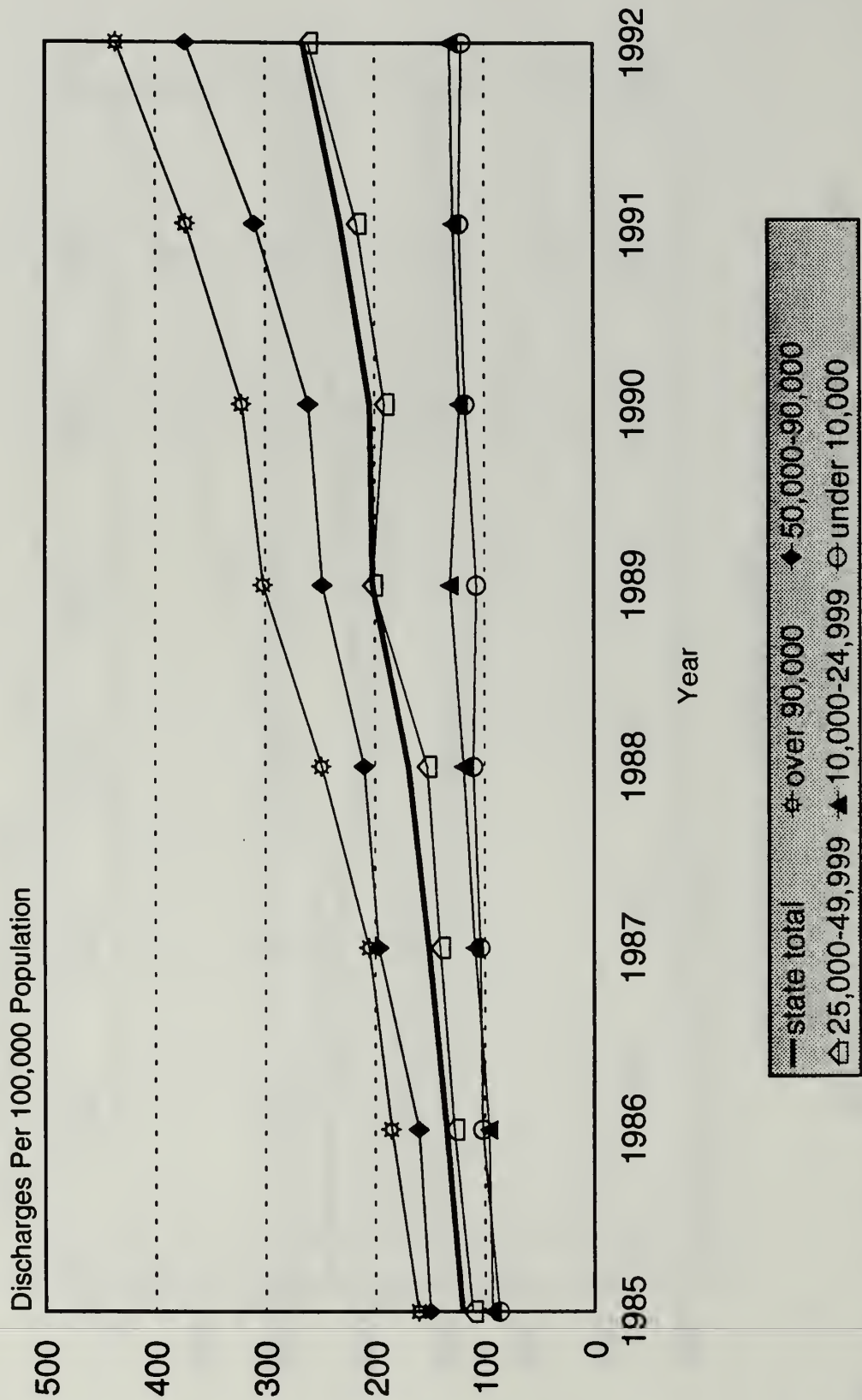
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 34

Drug Related Hospital Discharges

Trend by Size of Community in Rate Per 100,000

1985 - 1992



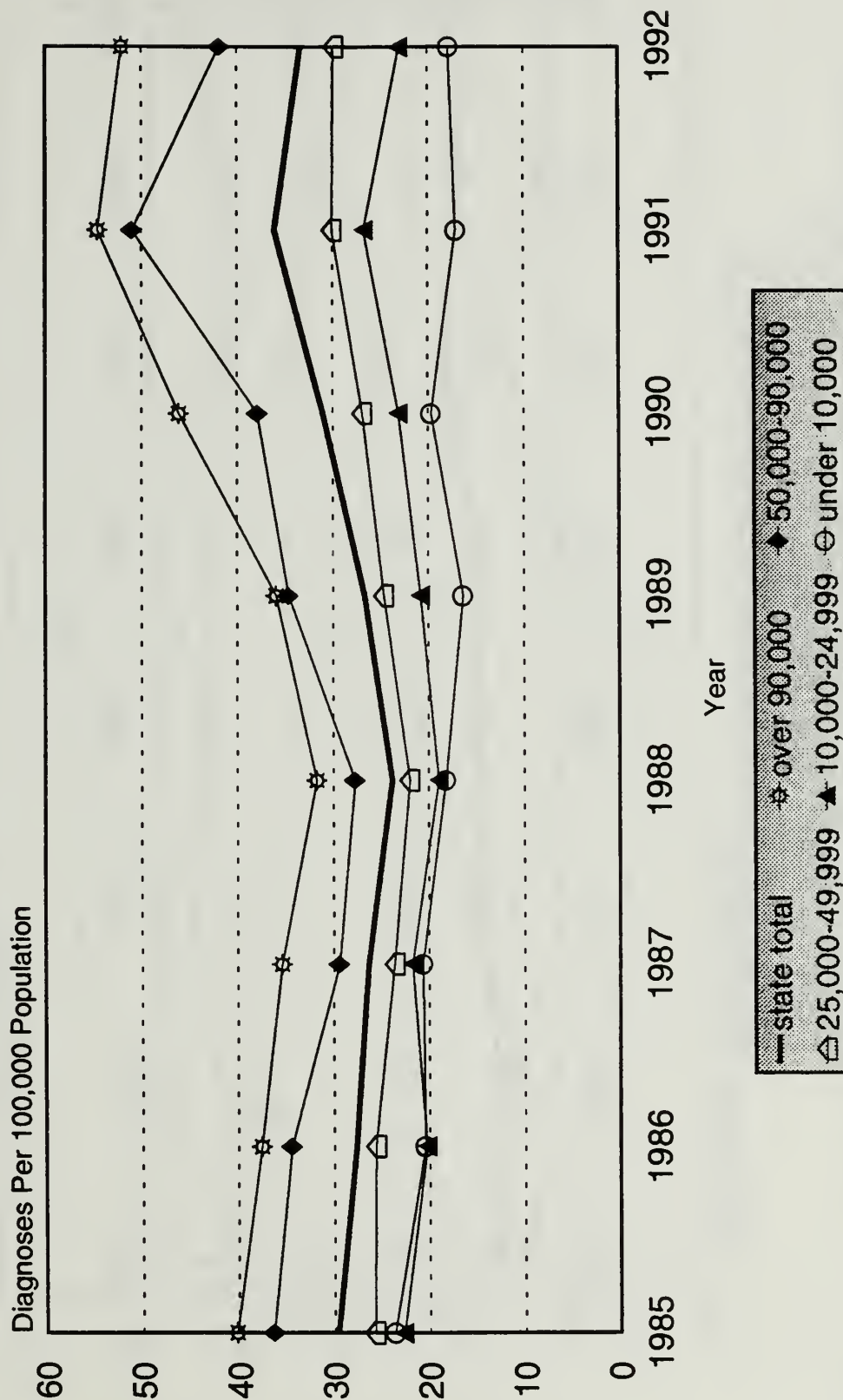
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 35

Hepatitis Hospital Discharge Diagnoses

Trend by Size of Community in Rate per 100,000

1985 - 1992



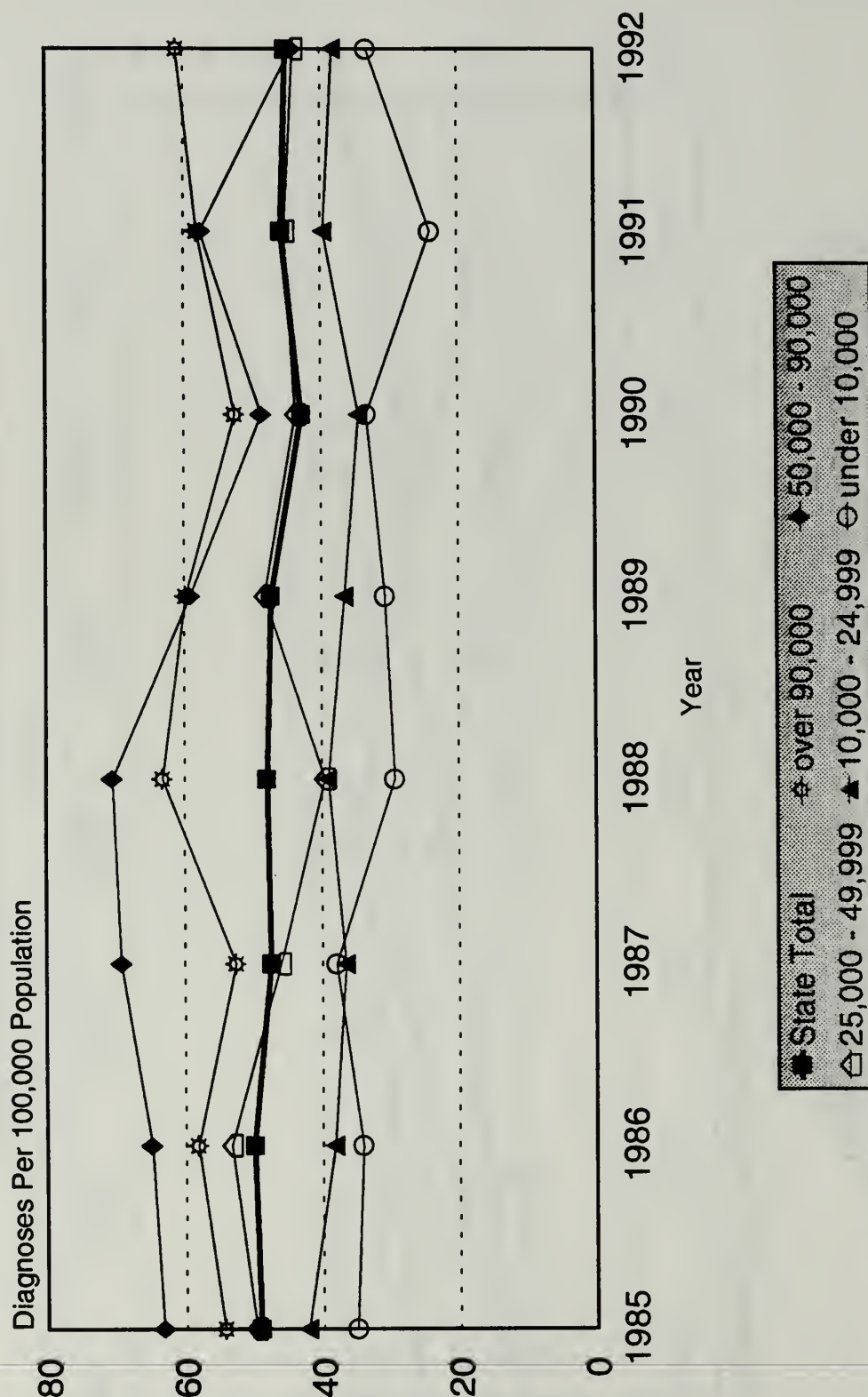
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 36

Liver Disease Hospital Discharge Diagnoses

Trend by Size of Community in Rate per 100,000

1985 - 1992



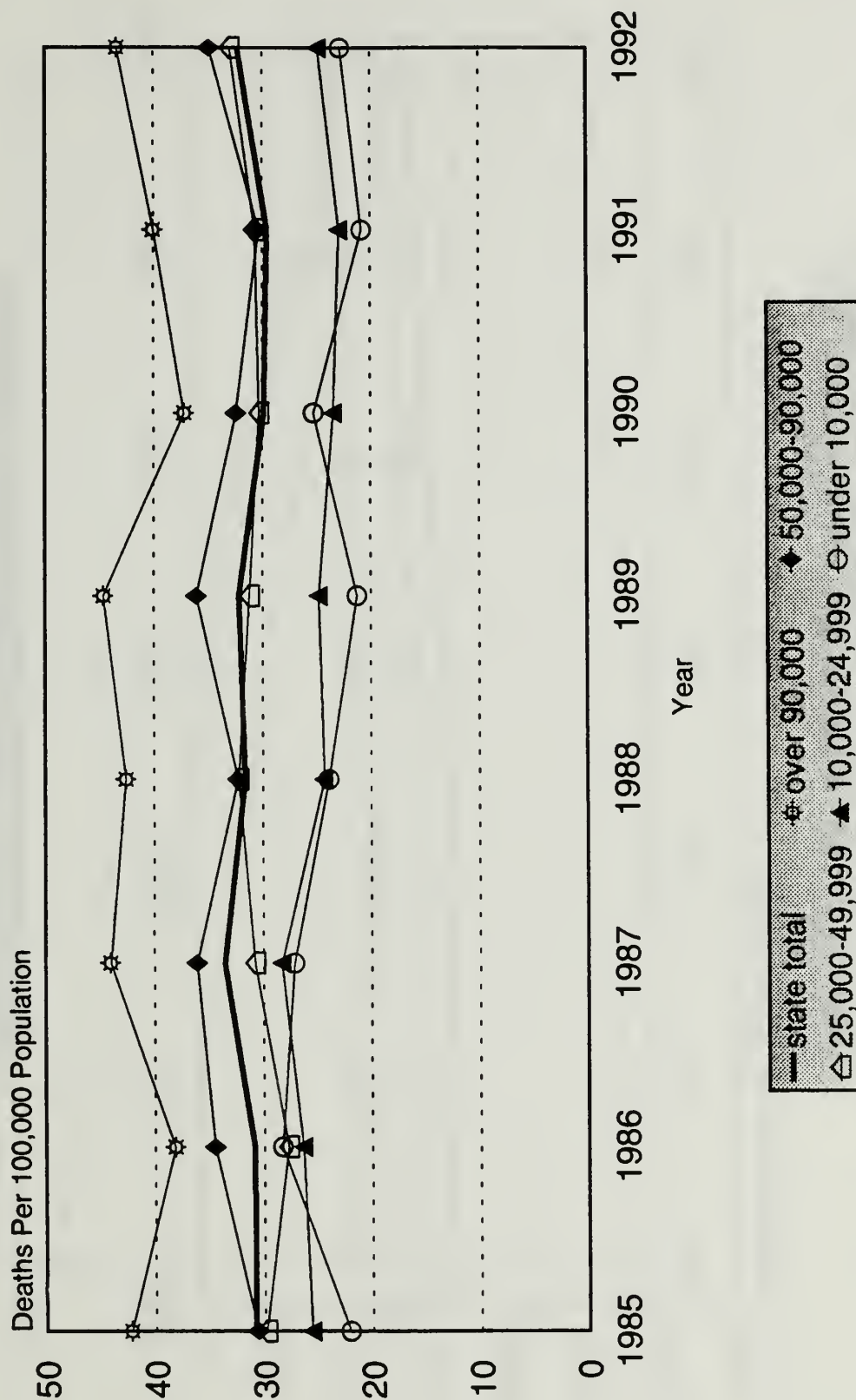
Source:
Uniform Hospital Discharge Dataset
Hospital Rate-Setting Commission

Figure 37

Substance Abuse Related Deaths

Trend by Size of Community in Rate per 100,000

1985 - 1992



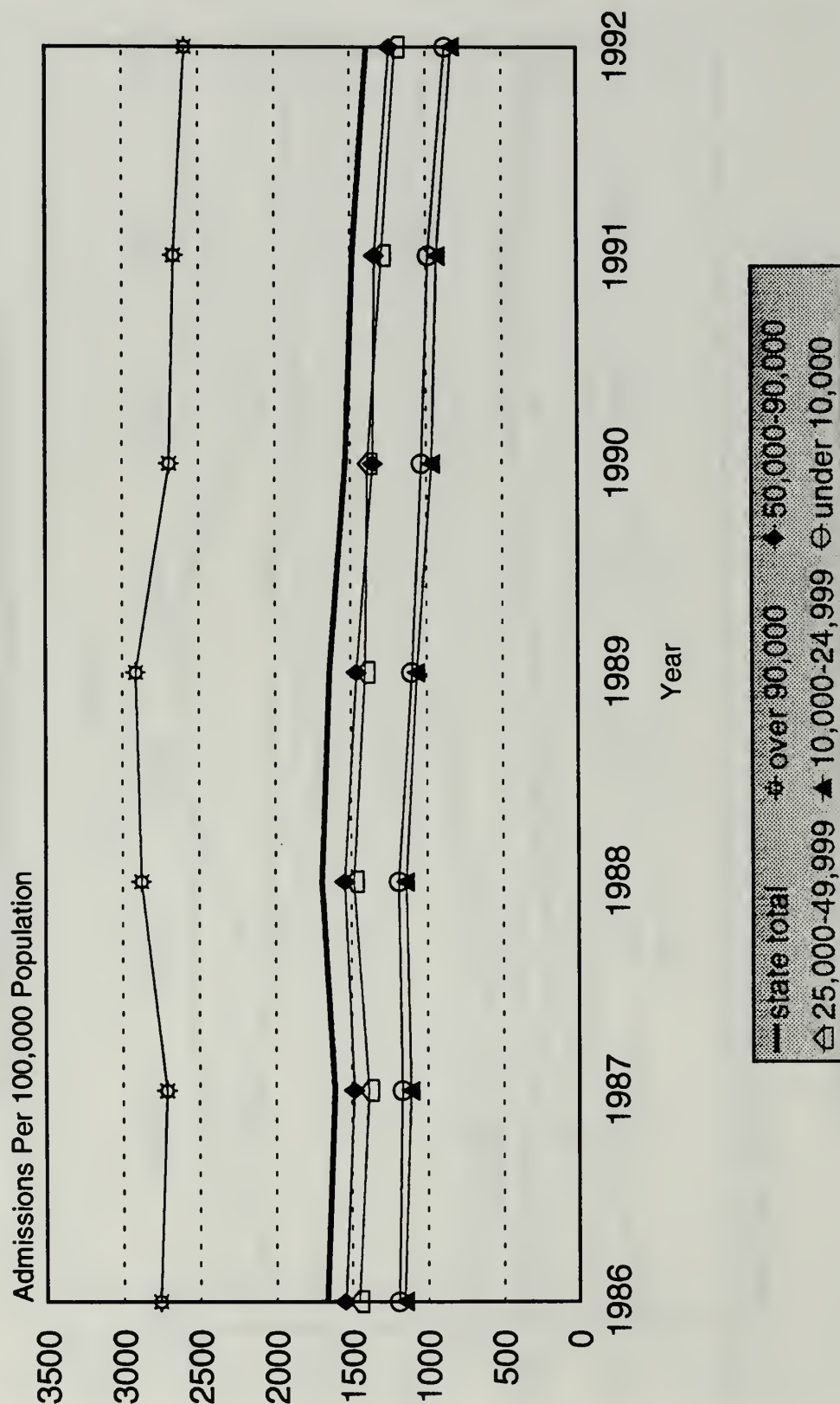
Source:
Massachusetts Department of Public Health,
Bureau of Health Statistics,
Research and Evaluation

Figure 38

Substance Abuse Total Treatment Admissions

Trend by Size of Community in Rate per 100,000

FY 1986 - FY 1992

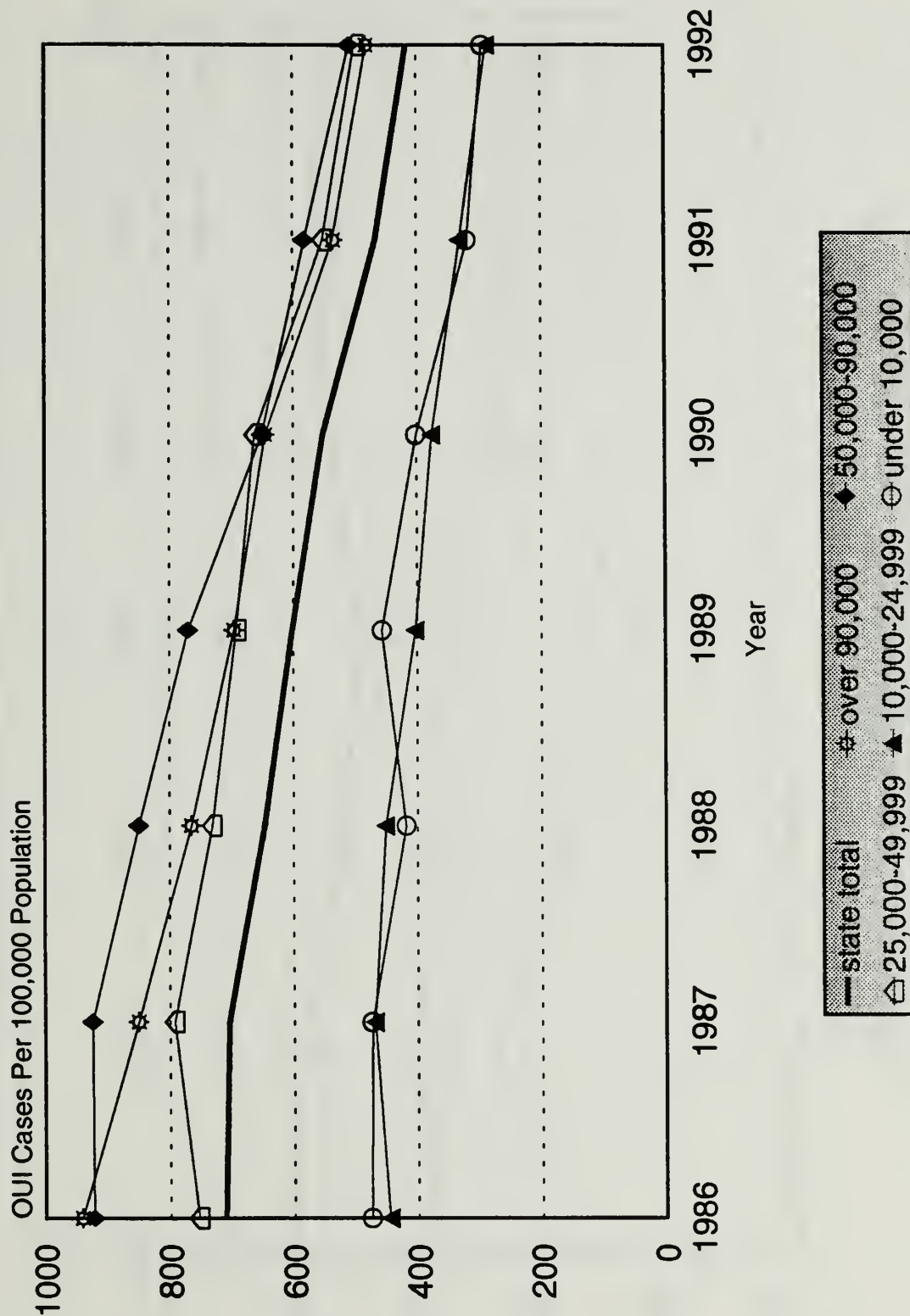


Source:
Massachusetts Department of Public Health,
Bureau of Substance Abuse Services

Figure 39

Operating Under the Influence (OUI) Court Cases

Trend by Size of Community in Rate per 100,000
1986 - 1992



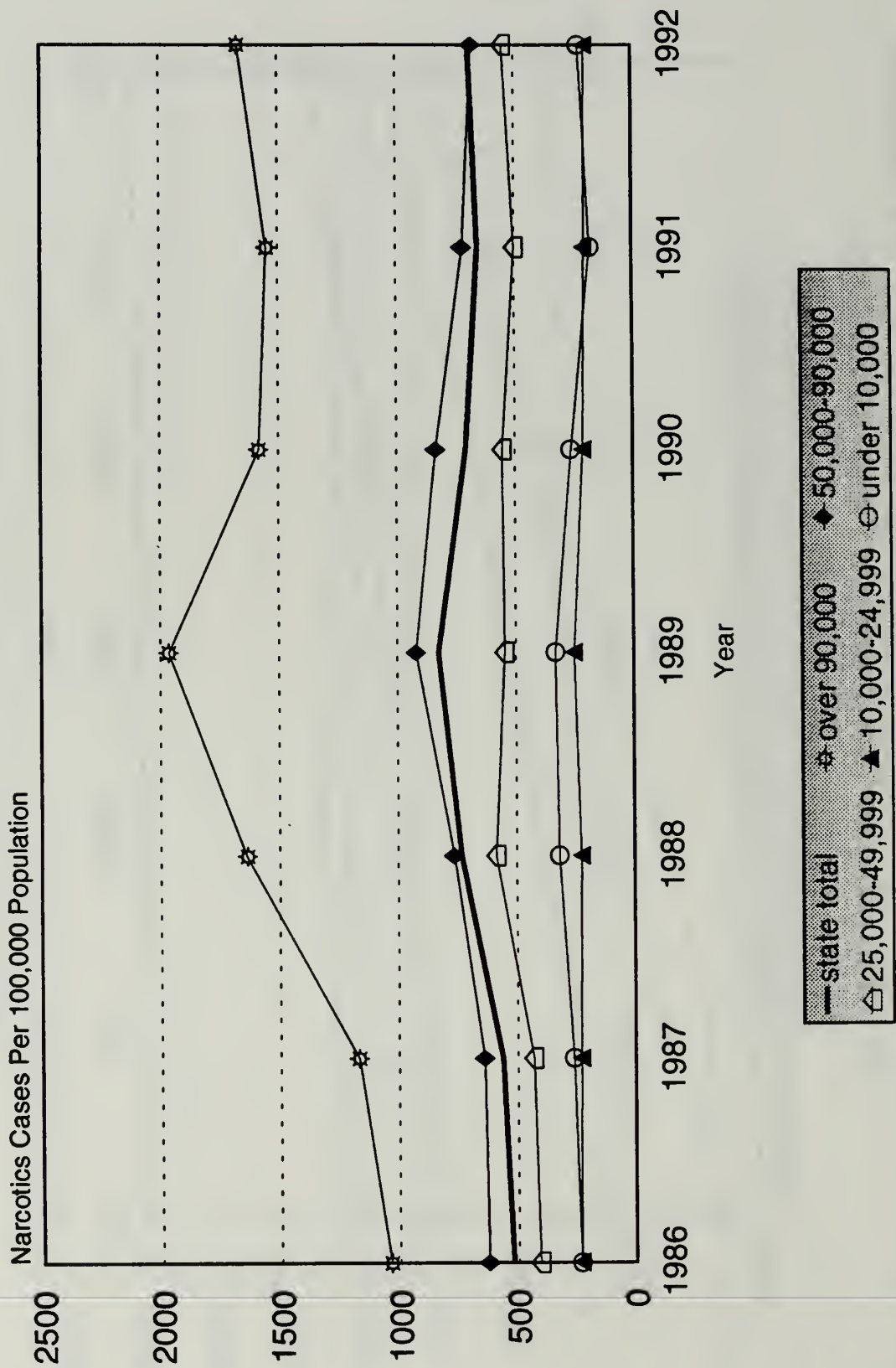
Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 40

Narcotics Court Cases

Trend by Size of Community in Rate per 100,000

1986 - 1992



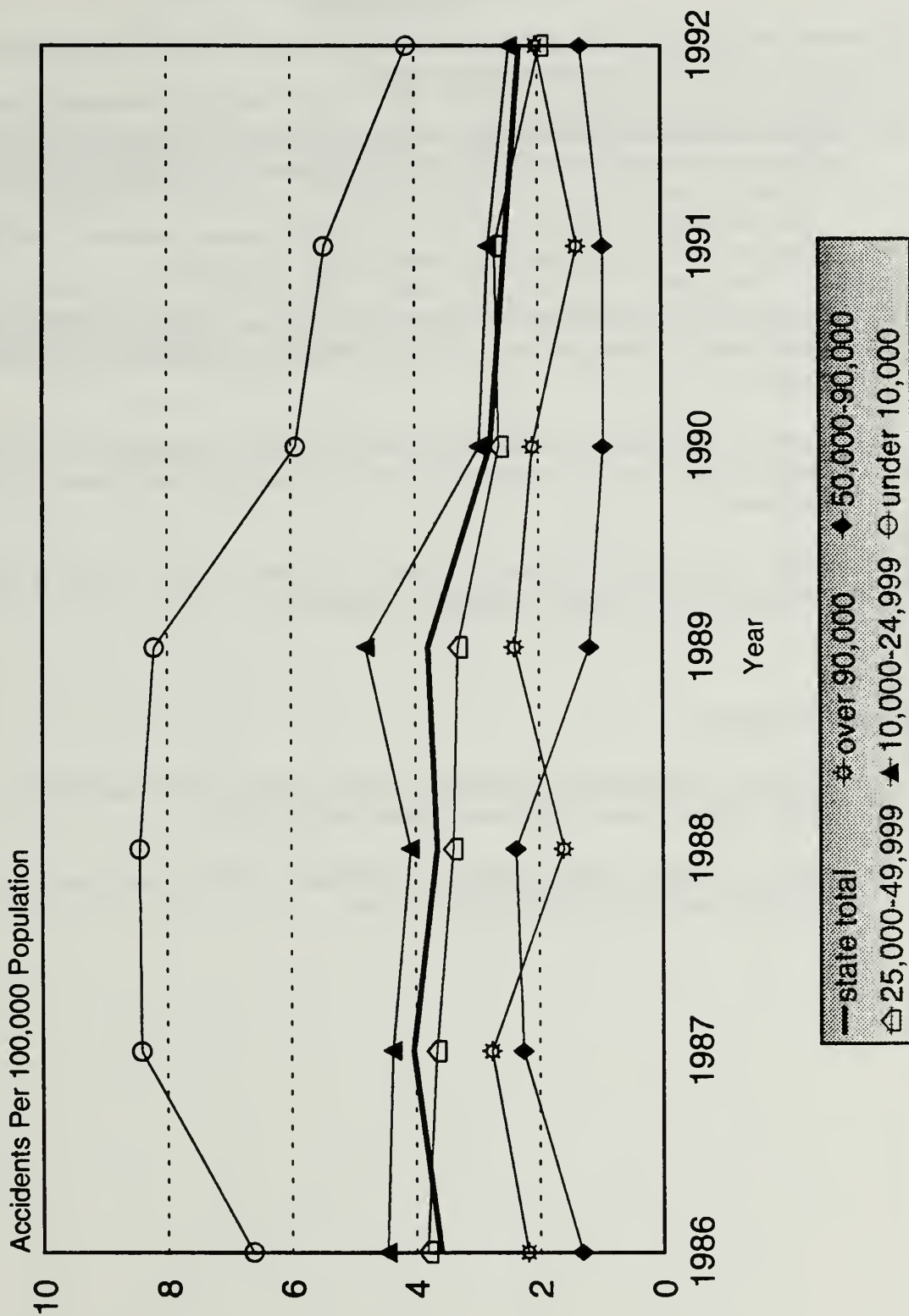
Source: District Court Filings
Annual Report of the Massachusetts Trial Court

Figure 41

Substance Abuse Related Fatal Traffic Accidents

Trend by Size of Community in Rate per 100,000

1986 - 1992



Source:
Massachusetts Registry of Motor Vehicles

Figure 42

ACTION STEPS FOR COMMUNITIES

We recommend the following action steps for communities wishing to use local data to help in developing and improving prevention programs.

- Using Appendix B, examine the indicators that describe the extent to which your community is affected by the negative consequences of alcohol and other drug use.
- Using Appendix C, compare the status of your community to others of similar size to determine indicators of particular impact in each community.
- Encourage local data collectors such as law enforcement agencies and hospitals to keep precise and complete data to provide as accurate a reflection as possible of the community's status.
- Appoint a task force or use existing resources to study the results of the substance abuse indicators and develop a plan of action for reducing their impact on the community.
- Monitor the results of these steps through the indicator project's yearly release of community data and adapt interventions accordingly.

Suggested Reading

- Community Organizing for Prevention: The First Steps, Massachusetts Department of Public Health, Bureau of Substance Abuse Services, 1994.
- It Takes a Village to Raise a Child, The Medical Foundation and Mount Auburn Hospital Education and Training Center, 1993.

REFERENCES

Massachusetts Department of Public Health. (1994, March). Application for FFY 1994 Block Grant for the Prevention and Treatment of Substance Abuse: Massachusetts State Plan for the Prevention, Treatment and Control of Alcohol Abuse, Alcoholism, Drug Abuse, and Drug Addiction, Massachusetts Department of Public Health, Bureau of Substance Abuse Services.

McCarty, D., Nardone, J.M., Hofmann, M., Williams, C., Krakow, M., and Linov, P. (1992, February). Indicators of Substance Use in Massachusetts, Massachusetts Department of Public Health, Bureau of Substance Abuse Services.

APPENDICES

Appendix A	List of Towns, 1990 Census, and 1991 and 1992 Projected Population, by Size of Community Classification
Appendix B	Substance Use Indicators by Town - Mean Incidence Per Year
Appendix C	Substance Use Indicators by Town - Mean Rate per 100,000 Population Per Year
Appendix D	ICD-9 Codes Used to Select Records from the Hospital Discharge and Death Certificate Databases
Appendix E	Description of Substance Use Indicators

APPENDIX A

LIST OF TOWNS, 1990 CENSUS, AND 1991 AND 1992 PROJECTED POPULATION, BY SIZE OF COMMUNITY CLASSIFICATION

1990 CENSUS, AND 1991 AND 1992 PROJECTED POPULATION, BY SIZE OF COMMUNITY

SIZE OF COMMUNITY: OVER 90,000 (N=8)

TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED
BOSTON	574,283	578,195	582,107
BROCKTON	92,788	92,096	91,404
CAMBRIDGE	95,802	95,464	95,126
FALL RIVER	92,703	92,041	91,379
LOWELL	103,439	102,914	102,389
NEW BEDFORD	99,922	99,192	98,463
SPRINGFIELD	156,983	155,573	154,162
MORCESTER	169,759	168,659	167,559

1990 CENSUS, AND 1991 AND 1992 PROJECTED POPULATION, BY SIZE OF COMMUNITY

SIZE OF COMMUNITY: 50,000 - 90,000 (N=13)

TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED
BROOKLINE	54,718	54,308	53,898
CHICOPEE	56,632	56,805	56,978
FRAINGHAM	64,989	65,390	65,791
HAVERHILL	51,418	51,743	52,069
LAWRENCE	70,207	69,005	67,802
LYNN	81,245	80,632	80,018
MALDEN	53,884	53,814	53,743
MEDFORD	57,407	57,172	56,937
NEWTON	82,585	82,752	82,919
QUINCY	84,985	85,370	85,755
SOMERVILLE	76,210	75,075	73,940
WALTHAM	57,878	58,003	58,128
WEYMOUTH	54,063	54,661	55,259

1990 CENSUS, AND 1991 AND 1992 PROJECTED POPULATION, BY SIZE OF COMMUNITY

SIZE OF COMMUNITY: 25,000 - 50,000 (N=45)

TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED
AGAWAM	27,323	27,463	27,603
AMHERST	35,228	35,039	34,850
ANDOVER	29,151	29,122	29,093
ARLINGTON	44,630	44,422	44,213
ATTLEBORO	38,383	38,224	38,065
BARNSTABLE	40,949	41,693	42,438
BEVERLY	38,195	38,147	38,100
BILLERICA	37,609	38,004	38,399
BRAINTREE	33,836	34,065	34,295
CHELSEAFORD	32,383	32,645	32,907
CHELSEA	28,710	28,285	27,859
DARTMOUTH	27,244	27,340	27,436
ORACUT	25,594	26,090	26,586
EVERETT	35,701	35,573	35,444
FALMOUTH	27,960	28,317	28,674
FITCHBURG	41,194	40,991	40,787
GLOUCESTER	28,716	28,970	29,224
HOLYOKE	43,704	43,084	42,463
LEOMINSTER	38,145	38,228	38,311
LEXINGTON	28,974	29,054	29,135
MARLBORO	31,813	32,156	32,499
MELROSE	28,150	28,123	28,096
METHUEN	39,990	40,342	40,695
MILFORD	25,355	25,378	25,402
MILTON	25,725	25,805	25,885
NATICK	30,510	30,696	30,881
NEEDHAM	27,557	27,703	27,849
NORTH ATTLEBORO	25,038	25,057	25,076
NORTHAMPTON	29,289	29,231	29,173
NORWOOD	28,700	28,829	28,958
PEABODY	47,039	47,160	47,282
PITTSFIELD	48,622	48,236	47,851
PLYMOUTH	45,608	45,612	45,617
RANDOLPH	30,093	30,355	30,616
REVERE	42,786	43,054	43,321
SALEM	38,091	38,211	38,331
SAUGUS	25,549	25,619	25,690
STOUGHTON	26,777	27,171	27,566
TAUNTON	49,832	49,676	49,520
TEWKSBURY	27,266	27,543	27,820
WATERTOWN	33,284	33,162	33,041
WELLESLEY	26,615	26,720	26,824
WEST SPRINGFIELD	27,537	27,485	27,432
WESTFIELD	38,372	38,528	38,685
WOBURN	35,943	36,409	36,874

1990 CENSUS, AND 1991 AND 1992 PROJECTED POPULATION, BY SIZE OF COMMUNITY

SIZE OF COMMUNITY: 10,000 - 25,000 (N=95)

TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED	TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED
ABINGTON	13,817	13,796	13,775	MAYNARD	10,325	10,435	10,544
ACTION	17,872	17,997	18,122	MEDFIELD	10,531	10,688	10,845
AMESBURY	14,997	15,115	15,233	MIDDLEBORO	17,867	17,958	18,049
ASHLAND	12,066	12,284	12,502	MILLBURY	12,228	12,214	12,201
ATHOL	11,451	11,499	11,548	NEWBURYPORT	16,317	16,491	16,664
AUBURN	15,005	14,981	14,957	NORTH ADAMS	16,797	16,703	16,608
BEDFORD	12,996	13,048	13,100	NORTH ANDOVER	22,792	23,059	23,327
BELCHERTOWN	10,579	10,877	11,175	NORTH READING	12,002	12,175	12,348
BELLINGHAM	14,877	15,033	15,189	NORTHBORO	11,929	11,995	12,061
BELMONT	24,720	24,647	24,574	NORTHBRIORGE	13,371	13,367	13,363
BOURNE	16,064	16,438	16,812	NORTON	14,265	14,355	14,446
BRIOWATER	21,249	21,226	21,203	OXFORD	12,588	12,720	12,852
BURLINGTON	23,302	23,337	23,372	PALMER	12,054	12,171	12,289
CANTON	18,530	18,720	18,909	PEMBROKE	14,544	14,681	14,817
CARVER	10,590	11,090	11,589	PEPPERELL	10,098	10,431	10,765
CLINTON	13,222	13,153	13,085	READING	22,539	22,661	22,782
CONCORS	17,076	17,251	17,425	ROCKLAND	16,123	16,025	15,928
DANVERS	24,174	24,291	24,408	SANDWICH	15,489	16,032	16,576
DEOHAM	23,782	23,834	23,886	SCITUATE	16,786	16,757	16,728
DENNIS	13,864	14,171	14,478	SEEKONK	13,046	13,098	13,149
DUXBURY	13,895	14,081	14,267	SHARON	15,517	15,789	16,061
EAST BRIDGEWATER	11,104	11,091	11,078	SHREWSBURY	24,146	24,124	24,103
EAST LONGMEADOW	13,367	13,386	13,404	SOMERSET	17,655	17,626	17,597
EASTHAMPTON	15,537	15,681	15,826	SOUTH HAILEY	16,685	16,747	16,810
EASTON	19,807	19,935	20,063	SOUTHBRIORGE	17,816	17,657	17,498
FAIRHAVEN	16,132	16,099	16,066	SPENCER	11,645	11,803	11,961
FOXBORO	14,637	14,859	15,081	STONEHAM	22,203	22,404	22,605
FRANKLIN	22,095	22,430	22,765	SUDBURY	14,358	14,516	14,674
GARDNER	20,125	20,124	20,123	SWAMPSCOTT	13,650	13,589	13,527
GRAFTON	13,035	13,056	13,077	SWANSEA	15,411	15,493	15,575
GREENFIELD	18,666	18,586	18,506	UXBRIDGE	10,415	10,428	10,440
HANOVER	11,912	11,904	11,896	WAKEFIELD	24,825	25,008	25,191
HARVARD	12,329	12,501	12,673	WALPOLE	20,212	20,560	20,909
HARMICH	10,275	10,483	10,691	WAREHAM	19,232	19,611	19,991
HINGHAM	19,821	19,746	19,671	WAYLAND	11,874	12,010	12,146
HOLBROOK	11,041	11,176	11,312	WEBSTER	16,196	16,192	16,189
HOLDEN	14,628	14,629	14,630	WESTBORO	14,133	14,104	14,074
HOLLISTON	12,926	13,103	13,279	WESTFORD	16,392	16,703	17,014
HUDSON	17,233	17,512	17,791	WESTON	10,200	10,289	10,378
HULL	10,466	10,364	10,262	WESTPORT	13,852	13,978	14,103
IPSWICH	11,873	12,009	12,145	WESTWOOD	12,557	12,628	12,700
LEICESTER	10,191	10,232	10,272	WHITMAN	13,240	13,194	13,147
LONGMEADOW	15,467	15,506	15,545	WILBRAHAM	12,635	12,716	12,797
LUDLOW	18,820	18,969	19,118	WILMINGTON	17,651	17,829	18,007
LYNNFIELD	11,274	11,293	11,313	WINCHESTER	20,267	20,235	20,204
MANSFIELD	16,568	16,665	16,762	WINTHROP	18,127	18,180	18,233
MARBLEHEAD	19,971	19,933	19,895	YARMOUTH	21,174	21,392	21,610
MARSHFIELD	21,531	21,715	21,899				

1990 CENSUS, AND 1991 AND 1992 PROJECTED POPULATION, BY SIZE OF COMMUNITY

SIZE OF COMMUNITY: UNDER 10,000 (N=190)

TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED	TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED
MIDDLETON	4,921	5,051	5,181	SHEFFIELD	2,910	2,924	2,938
MILLIS	7,613	7,726	7,838	SHELBURNE	2,012	2,040	2,068
MILLVILLE	2,236	2,289	2,341	SHERBORN	3,989	4,068	4,148
MONROE	115	114	112	SHIRLEY	6,118	6,233	6,348
MONSON	7,776	7,861	7,946	SHUTESBURY	1,561	1,583	1,606
MONTAGUE	8,316	8,313	8,310	SOUTHAMPTON	4,478	4,591	4,705
MONTREY	805	871	937	SOUTHBORO	6,628	6,644	6,659
MONTGOMERY	759	773	787	SOUTHWICK	7,667	7,816	7,964
MOUNT WASHINGTON	135	133	131	STERLING	6,481	6,672	6,863
NAHAUT	3,828	3,847	3,865	STOCKBRIDGE	2,408	2,403	2,397
NANTUCKET	6,012	6,241	6,470	STON	5,328	5,448	5,568
NEW ASHFORD	192	189	186	STURBRIDGE	7,775	7,933	8,090
NEW BRAINTREE	881	880	878	SUNDERLAND	3,399	3,398	3,396
NEW MARLBORO	1,240	1,294	1,347	SUTTON	6,824	6,964	7,104
NEW SALEM	802	846	891	TEMPLETON	6,438	6,494	6,550
NEWBURY	5,623	5,747	5,871	TISBURY	3,120	3,246	3,372
NORFOLK	9,270	9,497	9,724	TOLLAND	289	296	304
NORTH BROOKFIELD	4,708	4,720	4,732	TOPSFIELD	5,754	5,761	5,767
NORTHFIELD	2,838	2,838	2,838	TOWNSEND	8,496	8,853	9,210
NORWELL	9,279	9,276	9,273	TRURO	1,573	1,583	1,593
OAK BLUFFS	2,804	2,808	2,812	TYNGSBORO	8,642	8,922	9,203
OAKHAM	1,503	1,538	1,573	TYRINGHAM	369	380	392
ORANGE	7,312	7,426	7,540	UPTON	4,677	4,733	4,789
ORLEANS	5,838	6,041	6,244	MALES	1,566	1,633	1,699
OTIS	1,073	1,109	1,144	MARE	9,808	9,898	9,988
PAXTON	4,047	4,086	4,125	MARREN	4,437	4,465	4,493
PELHAM	1,373	1,428	1,483	MARWICK	740	735	730
PERU	779	818	858	MASHINGTON	615	626	636
PETERSHAM	1,131	1,135	1,140	MELFLEET	2,493	2,571	2,650
PHILLIPSTON	1,485	1,478	1,471	MENDELL	899	928	956
PLAINFIELD	571	586	601	MENHAM	4,212	4,226	4,240
PLAINVILLE	6,871	6,929	6,987	MEST BOYLSTON	6,611	6,593	6,575
PLYMPTON	2,384	2,412	2,441	MEST BRIDGEWATER	6,389	6,416	6,444
PRINCETON	3,189	3,246	3,302	MEST BROOKFIELD	3,532	3,612	3,692
PROVINCETOWN	3,561	3,572	3,583	MEST NEWBURY	3,421	3,492	3,562
RAYNHAM	9,867	9,933	9,999	MEST STOCKBRIDGE	1,483	1,483	1,483
REHOBOTH	8,656	8,831	9,006	MEST TISBURY	1,704	1,708	1,712
RICHMOND	1,677	1,685	1,693	MESTHAMPTON	1,327	1,356	1,384
ROCHESTER	3,921	4,046	4,171	MESTMINSTER	6,191	6,258	6,325
ROCKPORT	7,482	7,500	7,518	WHATELY	1,375	1,402	1,429
ROME	378	395	411	WILLIAMSBURG	2,515	2,570	2,626
ROWLEY	4,452	4,522	4,592	WILLIAMSTOWN	8,220	8,164	8,108
ROYALSTON	1,147	1,177	1,207	MINCHENDON	8,805	8,912	9,018
RUSSELL	1,594	1,627	1,660	WINDSOR	770	780	790
RUTLAND	4,936	4,984	5,032	WORTHINGTON	1,156	1,244	1,331
SALISBURY	6,882	7,227	7,572	WRENTHAM	9,006	9,219	9,432
SANDISFIELD	667	727	787				
SAVOY	634	670	706				

1990 CENSUS, AND 1991 AND 1992 PROJECTED POPULATION, BY SIZE OF COMMUNITY

SIZE OF COMMUNITY: UNDER 10,000 (N=190)

TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED	TOWN	1990 CENSUS	1991 PROJECTED	1992 PROJECTED
ACUSHNET	9,554	9,564	9,575	ESSEX	3,260	3,251	3,241
ADAMS	9,445	9,448	9,451	FLORIDA	742	746	750
ALFORD	418	421	424	FREETOWN	8,522	8,631	8,739
ASHBURNHAM	5,433	5,550	5,668	GAY HEAD	201	207	213
ASHBY	2,717	2,844	2,971	GEORGETOWN	6,384	6,454	6,524
ASHFIEL	1,715	1,745	1,775	GILL	1,583	1,588	1,592
AVON	4,558	4,608	4,658	GOSHEN	830	876	921
AYER	6,871	6,877	6,884	GOSNOLD	98	91	84
BARRE	4,546	4,651	4,756	GRANBY	5,565	5,639	5,712
BECKET	1,481	1,590	1,699	GRANVILLE	1,403	1,446	1,490
BERKLEY	4,237	4,332	4,427	GREAT BARRINGTON	7,725	7,679	7,632
BERLIN	2,293	2,302	2,311	GROTON	7,511	7,703	7,894
BERNARDSTON	2,048	2,059	2,070	GROVELAND	5,214	5,238	5,261
BLACKSTONE	8,023	8,123	8,223	HADLEY	4,231	4,221	4,210
BLAIDFORD	1,187	1,219	1,251	HALIFAX	6,526	6,602	6,678
BOLTON	3,134	3,182	3,230	HAMILTON	7,280	7,333	7,387
BOXBORO	3,343	3,394	3,445	HAMPDEN	4,709	4,777	4,845
BOXFORD	6,266	6,423	6,580	HANCOCK	628	625	622
BOYLSTON	3,517	3,545	3,573	HANSON	9,028	9,094	9,161
BREWSTER	8,440	8,769	9,098	HARWICK	2,385	2,430	2,475
BRINFIELD	3,001	3,079	3,158	HATFIELD	3,184	3,216	3,248
BROOKFIELD	2,968	3,009	3,051	HAWLEY	317	333	349
BUCKLAND	1,928	1,962	1,995	HEATH	716	713	710
CARLISLE	4,333	4,443	4,553	HINSDALE	1,959	1,983	2,007
CHARLEMONT	1,249	1,278	1,308	HOLLAND	2,185	2,255	2,324
CHARLTON	9,576	9,711	9,846	HOPEDALE	5,666	5,595	5,525
CHATHAM	6,579	6,679	6,779	HOPKINTON	9,191	9,446	9,701
CHESHIRE	3,479	3,528	3,577	HUBBARDSTON	2,797	2,815	2,833
CHESTER	1,280	1,292	1,305	HUNTINGTON	1,987	2,009	2,031
CHESTERFIELD	1,048	1,142	1,236	KINGSTON	9,045	9,100	9,155
CHILMARK	650	664	679	LAKEVILLE	7,785	7,973	8,161
CLARKSBURG	1,745	1,757	1,768	LANCASTER	6,661	6,656	6,652
COHASSET	7,075	7,208	7,341	LANESBORO	3,032	3,094	3,156
COLRAIN	1,757	1,775	1,793	LEE	5,849	5,863	5,876
CONWAY	1,529	1,561	1,594	LENEX	5,069	5,082	5,096
CUMMINGTON	785	825	865	LEVERETT	1,785	1,805	1,826
OALTON	7,155	7,092	7,029	LEYDEN	662	692	722
DEERFIELD	5,018	5,049	5,080	LINCOLN	7,666	7,774	7,882
DIGHTON	5,631	5,672	5,713	LITTLETON	7,051	7,155	7,259
DOUGLAS	5,438	5,493	5,548	LUNENBURG	9,117	9,160	9,203
DOVER	4,915	4,986	5,057	MANCHESTER	5,286	5,324	5,362
DUDLEY	9,540	9,568	9,595	MARION	4,496	4,518	4,540
DUNSTABLE	2,236	2,300	2,363	MASHPEE	7,884	8,260	8,636
EAST BROOKFIELD	2,033	2,024	2,016	MATTAPOISETT	5,850	5,902	5,954
EASTHAM	4,462	4,628	4,795	MEOWAY	9,931	10,099	10,267
EDGARTOWN	3,062	3,165	3,269	MENDON	4,010	4,070	4,130
EGREMONT	1,229	1,291	1,361	MERRIMAC	5,166	5,233	5,300
ERVING	1,372	1,405	1,438	MILOLEFIELD	392	422	453

HOW TO USE APPENDICES B AND C

Appendix B presents the mean *incidence* of substance use indicators by town per year, and Appendix C presents the mean *rate* of substance use indicators by town per year. Use Appendix B to learn the average number of cases that occur in a specific town. Use Appendix C to compare towns of different population sizes. For example, Appendix B shows that an average of 26 residents of the small town of Avon were hospitalized for substance abuse related conditions per year, compared to 461 residents of the large city of Fall River. Appendix C shows that when taking the two towns' populations into account, Avon's residents actually experienced a higher *rate* of substance abuse hospitalizations than Fall River's (571 vs 501). Rates are expressed per 100,000 residents. At Avon's rate, for every 100,000 people, 571 would be hospitalized for substance abuse related conditions, whereas at Fall River's rate, 501 would be hospitalized.

For confidentiality purposes, numbers of cases less than five are suppressed in Appendices B and C.

An asterisk in Appendices B and C indicates either missing data, less than five months of data reported (for UCR data), or fewer than five cases reported.

District court data are only presented for the 69 towns in which the courts are located.

APPENDIX B

SUBSTANCE USE INDICATORS BY TOWN MEAN INCIDENCE PER YEAR

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=OVER 90,000 (N=8) -----						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
BOSTON	574,283	5,323	237	18,802	75	1,022
BROCKTON	92,788	555	25	1,656	0	129
CAMBRIDGE	95,802	1,090	36	1,623	18	251
FALL RIVER	92,703	461	42	1,961	0	157
LOWELL	103,439	611	49	2,094	9	138
NEW BEDFORD	99,922	620	42	2,306	0	180
SPRINGFIELD	156,983	1,267	59	4,993	12	224
WORCESTER	169,759	1,112	67	3,197	19	285
SIZE	1,385,679	11,038	556	36,631	133	2,386
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
BOSTON	3,120	10,010	2,318	1,979	644	79
BROCKTON	641	1,112	123	73	109	6
CAMBRIDGE	379	579	*	*	*	*
FALL RIVER	700	1,300	122	249	254	124
LOWELL	784	1,871	*	*	*	*
NEW BEDFORD	491	3,007	324	372	213	106
SPRINGFIELD	559	2,560	254	1,649	161	44
WORCESTER	992	1,699	*	*	*	*
SIZE	7,666	22,139	3,141	4,321	1,381	359

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=50,000 - 90,000 (N=13) -----						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
BROOKLINE	54,718	173	11	271	3	74
CHICOPEE	56,632	379	20	880	1	107
FRAMINGHAM	64,989	464	18	886	3	92
HAVERHILL	51,418	169	18	656	2	69
LAWRENCE	70,207	401	26	1,440	6	111
LYNN	81,245	1,241	42	1,655	3	136
MALDEN	53,884	386	18	597	0	69
MEDFORD	57,407	314	21	429	3	28
NEWTON	82,585	212	14	358	3	107
QUINCY	84,985	591	28	1,572	0	122
SOMERVILLE	76,210	671	25	1,023	1	104
WALTHAM	57,878	482	14	762	3	79
WEYMOUTH	54,063	243	20	528	0	67
SIZE	846,221	5,726	275	11,057	28	1,165

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
BROOKLINE	92	174	10	30	49	*
CHICOPEE	255	266	*	*	*	*
FRAMINGHAM	633	714	21	82	148	33
HAVERHILL	289	486	95	72	96	22
LAWRENCE	549	1,566	236	289	125	14
LYNN	511	1,210	*	*	*	*
MALDEN	511	440	*	40	62	23
MEDFORD	*	*	15	53	76	30
NEWTON	175	59	*	28	68	*
QUINCY	1,063	649	31	64	93	87
SOMERVILLE	483	434	57	96	81	54
WALTHAM	339	288	7	57	83	66
WEYMOUTH	*	*	*	12	123	42
SIZE	4,900	6,285	471	823	1,003	373

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=25,000 - 50,000 (N=45) -----

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
AGAWAM	27,323	88	5	248	3	46
AMHERST	35,228	55	*	237	3	44
ANDOVER	29,151	54	6	142	0	28
ARLINGTON	44,630	180	17	257	1	10
ATTLEBORO	38,383	152	14	612	0	54
BARNSTABLE	40,949	192	19	1,284	0	116
BEVERLY	38,195	234	12	499	1	48
BILLERICA	37,609	99	6	336	0	46
BRAINTREE	33,836	120	9	250	0	55
CHELMSFORD	32,383	54	7	155	0	33
CHELSEA	28,710	301	16	617	8	58
DARTMOUTH	27,244	61	5	176	0	46
DRACUT	25,594	48	8	199	0	44
EVERETT	35,701	318	16	473	4	50
FALMOUTH	27,960	136	11	822	0	70
FITCHBURG	41,194	214	26	956	0	73
GLOUCESTER	28,716	265	15	447	4	63
HOLYOKE	43,704	846	22	1,466	3	94
LEOMINSTER	38,145	130	13	685	3	70
LEXINGTON	28,974	63	*	101	0	18
MARLBORO	31,813	206	9	358	0	65

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DWIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
AGAWAM	*	*	*	*	*	*
AMHERST	*	*	*	*	*	*
ANDOVER	*	*	6	10	62	18
ARLINGTON	*	*	6	*	32	11
ATTLEBORO	905	560	*	*	*	*
BARNSTABLE	1,214	570	32	48	541	86
BEVERLY	*	*	11	13	83	*
BILLERICA	*	*	*	*	*	*
BRAINTREE	*	*	*	25	92	6
CHELMSFORD	*	*	6	11	33	7
CHELSEA	647	1,138	*	*	*	*
DARTMOUTH	*	*	*	*	17	5
ORACUT	*	*	*	11	45	22
EVERETT	*	*	*	87	142	46
FALMOUTH	*	*	*	*	*	*
FITCHBURG	201	280	34	18	73	49
GLOUCESTER	176	296	21	46	78	26
HOLYOKE	176	1,780	*	*	*	*
LEOMINSTER	261	182	19	24	109	24
LEXINGTON	*	*	*	5	18	16
MARLBORO	337	394	18	39	129	13

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR----- SIZE OF COMMUNITY=25,000 - 50,000 (N=45) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
MELROSE	28,150	135	7	180	0	8
METHUEN	39,990	132	11	337	0	59
MILFORD	25,355	116	7	317	1	52
MILTON	25,725	90	7	143	0	5
NATICK	30,510	167	11	196	0	22
NEEDHAM	27,557	63	6	99	0	9
NORTH ATTLEBORO	25,038	65	5	196	1	32
NORTHAMPTON	29,289	155	14	565	1	66
NORWOOD	28,700	173	7	277	1	49
PEABODY	47,039	224	11	446	0	68
PITTSFIELD	48,622	381	11	1,420	0	110
PLYMOUTH	45,608	120	8	604	0	61
RANDOLPH	30,093	102	10	257	0	35
REVERE	42,786	401	21	768	5	68
SALEM	38,091	368	20	598	2	80
SAUGUS	25,549	153	5	208	1	41
STOUGHTON	26,777	92	*	243	0	48
TAUNTON	49,832	15	20	659	0	82
TEWKSBURY	27,266	60	*	240	1	37
WATERTOWN	33,284	150	10	229	10	53
WELLESLEY	26,615	61	*	84	0	16

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAM PER YEAR 1990-1991
MELROSE	*	*	*	6	26	13
METHUEN	*	*	7	15	40	10
MILFORD	336	240	*	17	80	16
MILTON	*	*	5	7	38	7
NATICK	110	54	*	7	15	8
NEEDHAM	*	*	*	11	24	18
NORTH ATTLEBORO	*	*	*	28	274	27
NORTHAMPTON	662	328	*	7	77	9
NORWOOD	*	*	7	30	82	54
PEABODY	400	201	19	33	234	8
PITTSFIELD	358	242	28	27	59	24
PLYMOUTH	547	274	*	*	*	*
RANDOLPH	*	*	*	*	*	*
REVERE	*	*	65	61	115	18
SALEM	507	389	41	36	71	75
SAUGUS	*	*	9	12	68	6
STOUGHTON	467	223	11	24	69	14
TAUNTON	555	465	51	35	121	38
TEWKSBURY	*	*	*	*	*	*
WATERTOWN	*	*	*	15	65	15
WELLESLEY	*	*	*	*	*	*

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
ABINGTON	13,817	48	*	119	0	30
ACTON	17,872	61	*	99	0	22
AMESBURY	14,997	66	*	128	1	27
ASHLAND	12,066	60	*	80	0	24
ATHOL	11,451	34	*	222	0	29
AUBURN	15,005	43	*	89	0	27
BEDFORD	12,996	60	*	70	0	9
BELCHERTOWN	10,579	29	*	107	0	17
BELLINGHAM	14,877	35	*	120	0	28
BELMONT	24,720	72	5	110	0	*
BOURNE	16,064	57	6	234	0	45
BRIDGEWATER	21,249	54	*	207	0	29
BURLINGTON	23,302	64	5	137	1	23
CANTON	18,530	60	*	118	0	31
CARVER	10,590	31	5	123	0	13
CLINTON	13,222	55	5	194	0	36
CONCORD	17,076	75	*	92	1	21
DANVERS	24,174	91	5	203	0	44
DEDHAM	23,782	103	6	219	0	37
DENNIS	13,864	44	6	220	0	44
DUXBURY	13,895	20	*	81	0	13
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
ABINGTON	*	*	*	*	*	*
ACTON	*	*	*	9	32	14
AMESBURY	256	129	6	22	194	84
ASHLAND	*	*	*	20	40	12
ATHOL	*	*	*	*	*	*
AUBURN	*	*	6	14	74	*
BEDFORD	*	*	*	*	24	*
BELCHERTOWN	*	*	*	9	58	33
BELLINGHAM	*	*	*	6	49	18
BELMONT	*	*	*	*	15	35
BOURNE	*	*	7	11	67	*
BRIDGEWATER	*	*	7	9	39	22
BURLINGTON	*	*	*	*	*	*
CANTON	*	*	*	*	*	*
CARVER	*	*	*	*	16	*
CLINTON	321	382	*	*	*	*
CONCORD	486	240	7	10	145	16
DANVERS	*	*	*	11	73	68
DEDHAM	400	256	*	22	56	8
DENNIS	*	*	*	*	37	21
DUXBURY	*	*	*	*	27	18

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=25,000 - 50,000 (N=45) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
WEST SPRINGFIELD	27,537	175	8	373	0	49
WESTFIELD	38,372	*	12	635	1	54
WOBBURN	35,943	150	11	281	2	41
SIZE	1,519,170	7,363	458	19,674	56	2,276

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
WEST SPRINGFIELD	*	*	18	68	101	33
WESTFIELD	299	156	15	22	83	13
WOBBURN	543	341	13	11	38	17
SIZE	8,701	8,114	442	808	3,134	750

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
EAST BRIDGEWATER	11,104	24	*	67	0	20
EAST LONGMEADOW	13,367	26	*	79	0	20
EASTHAMPTON	15,537	85	8	290	0	34
EASTON	19,807	46	*	126	0	34
FAIRHAVEN	16,132	58	5	202	0	40
FOXBORO	14,637	51	*	98	0	23
FRANKLIN	22,095	85	*	147	0	42
GARDNER	20,125	105	8	405	1	36
GRAFTON	13,035	26	*	85	0	22
GREENFIELD	18,666	44	8	1,006	4	40
HANOVER	11,912	24	*	60	0	24
HARVARD	12,329	6	*	19	0	*
HARWICH	10,275	30	*	113	*	27
HINGHAM	19,821	35	*	102	0	27
HOLBROOK	11,041	29	*	108	0	14
HOLDEN	14,628	25	*	45	0	11
HOLLISTON	12,926	36	*	63	0	10
HUDSON	17,233	88	5	144	0	33
HULL	10,466	67	*	220	0	27
IPSWICH	11,873	46	*	141	0	28
LEICESTER	10,191	19	*	66	0	18
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
EAST BRIDGEWATER	*	*	*	7	53	23
EAST LONGMEADOW	*	*	*	*	12	*
EASTHAMPTON	*	*	*	*	*	*
EASTON	*	*	*	5	69	13
FAIRHAVEN	*	*	*	*	*	*
FOXBORO	*	*	15	26	24	17
FRANKLIN	*	*	*	6	23	15
GARDNER	228	163	9	9	35	27
GRAFTON	*	*	*	*	*	*
GREENFIELD	289	195	*	*	*	*
HANOVER	*	*	*	*	*	*
HARVARD	*	*	*	*	10	9
HARWICH	*	*	*	16	61	10
HINGHAM	468	287	*	17	74	48
HOLBROOK	*	*	*	*	*	*
HOLDEN	*	*	*	*	46	13
HOLLISTON	*	*	*	17	42	13
HUDSON	*	*	6	9	52	21
HULL	*	*	6	18	69	54
IPSWICH	50	51	15	7	31	23
LEICESTER	*	*	*	*	29	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
LONGMEADOW	15,467	26	*	58	0	12
LUDLOW	18,820	51	*	137	0	36
LYNNFIELD	11,274	29	*	52	0	9
MANSFIELD	16,568	51	*	120	0	22
MARBLEHEAD	19,971	66	5	113	1	32
MARSHFIELD	21,531	59	*	187	0	35
MAYNARD	10,325	83	*	90	0	26
MEDFIELD	10,531	37	*	47	0	8
MIDDLEBORO	17,867	12	*	160	0	32
MILLBURY	12,228	34	*	110	0	19
NEHBURYPORT	16,317	9	*	178	1	37
NORTH ADAMS	16,797	*	7	409	0	43
NORTH ANDOVER	22,792	47	5	148	1	26
NORTH READING	12,002	49	*	61	0	17
NORTHBORO	11,929	30	*	61	0	22
NORTHBRIDGE	13,371	45	5	147	0	24
NORTON	14,265	48	*	140	0	31
OXFORD	12,588	47	*	120	0	28
PALMER	12,054	101	5	148	1	33
PENBROKE	14,544	35	*	125	0	29
PEPPERELL	10,098	20	*	76	0	5

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAM PER YEAR 1990-1991
LONGMEADOW	*	*	*	*	28	16
LUDLOW	*	*	*	6	46	11
LYNNFIELD	*	*	*	*	21	*
MANSFIELD	*	*	*	14	6	12
MARBLEHEAD	*	*	*	*	24	19
MARSHFIELD	*	*	*	6	57	24
MAYNARD	*	*	9	25	67	46
MEDFIELD	*	*	*	*	8	*
MIDDLEBORO	*	*	*	15	88	41
MILLBURY	*	*	*	9	66	*
NEHBURYPORT	531	231	*	*	*	*
NORTH ADAMS	254	144	7	19	50	20
NORTH ANDOVER	*	*	*	22	63	38
NORTH READING	*	*	*	11	39	12
NORTHBORO	*	*	*	*	*	*
NORTHBRIDGE	*	*	*	13	39	74
NORTON	*	*	*	13	31	22
OXFORD	*	*	*	*	32	*
PALMER	335	94	*	*	*	*
PENBROKE	*	*	*	8	41	33
PEPPERELL	*	*	*	*	16	17

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
READING	22,539	63	*	128	0	11
ROCKLAND	16,123	58	*	136	0	25
SANDWICH	15,489	33	*	189	0	30
SCITUATE	16,786	51	5	118	0	23
SEEKONK	13,046	10	*	41	0	27
SHARON	15,517	28	*	67	0	2
SHREWSBURY	24,146	64	8	151	0	37
SOMERSET	17,655	30	*	144	0	23
SOUTH HADLEY	16,685	78	*	189	2	32
SOUTHBRIDGE	17,816	10	*	329	0	41
SPENCER	11,645	29	*	124	0	23
STONEHAM	22,203	84	6	130	0	19
SUDBURY	14,358	47	*	47	0	16
SWAMPSCOTT	13,650	48	*	72	0	17
SWANSEA	15,411	28	*	119	0	30
UXBRIDGE	10,415	30	*	122	0	21
WAKEFIELD	24,825	124	7	163	0	16
MALPOLE	20,212	89	*	168	0	36
WAREHAM	19,232	76	.7	396	0	44
MAYLAND	11,874	38	*	44	0	16
WEBSTER	16,196	32	*	167	0	47
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
READING	*	*	*	14	59	10
ROCKLAND	*	*	*	*	*	*
SANDWICH	*	*	*	*	*	*
SCITUATE	*	*	*	7	48	45
SEEKONK	*	*	*	20	61	12
SHARON	*	*	*	5	52	*
SHREWSBURY	*	*	*	*	*	*
SOMERSET	*	*	*	9	38	15
SOUTH HADLEY	*	*	*	23	106	25
SOUTHBRIDGE	*	*	*	*	*	*
SPENCER	268	118	*	*	*	*
STONEHAM	*	*	*	8	19	*
SUDBURY	*	*	*	*	*	*
SWAMPSCOTT	*	*	*	*	58	13
SWANSEA	*	*	*	*	24	*
UXBRIDGE	256	173	10	22	73	69
WAKEFIELD	*	*	*	14	36	45
MALPOLE	*	*	*	*	*	*
WAREHAM	562	399	14	28	229	23
MAYLAND	*	*	*	*	*	*
WEBSTER	*	*	12	26	85	34

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
WESTBORO	14,133	44	*	105	0	31
WESTFORD	16,392	30	*	78	0	27
WESTON	10,200	18	*	18	0	*
WESTPORT	13,852	30	5	143	0	27
WESTWOOD	12,557	40	*	61	0	*
WHITMAN	13,240	38	*	93	0	17
WILBRAHAM	12,635	28	*	59	1	24
WILMINGTON	17,651	32	*	99	1	12
WINCHESTER	20,267	56	*	67	0	9
WINTHROP	18,127	91	5	196	2	19
YARMOUTH	21,174	68	10	388	0	1
SIZE	1,488,718	4,521	159	13,598	18	2,308

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
WESTBORO	430	301	*	*	32	6
WESTFORD	*	*	*	14	29	7
WESTON	*	*	*	*	28	15
WESTPORT	*	*	*	*	*	*
WESTWOOD	*	*	*	*	24	*
WHITMAN	*	*	*	*	*	*
WILBRAHAM	*	*	*	*	23	10
WILMINGTON	*	*	5	11	37	35
WINCHESTER	*	*	*	*	15	17
WINTHROP	*	*	*	*	*	*
YARMOUTH	*	*	13	24	78	37
SIZE	5,134	3,163	152	668	3,451	1,439

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=UNOER 10,000 (N=190) -----						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
ACUSHNET	9,554	25	*	91	0	21
ADAMS	9,445	48	*	150	0	28
ALFORD	418	*	*	*	0	*
ASHBURNHAM	5,433	13	*	48	0	10
ASHBY	2,717	6	*	23	0	5
ASHFIELD	1,715	*	*	20	0	3
AVON	4,558	26	*	53	0	11
AYER	6,871	31	*	75	0	11
BARRE	4,546	14	*	48	0	16
BECKET	1,481	*	*	25	0	8
BERKLEY	4,237	16	*	42	0	6
BERLIN	2,293	9	*	21	0	5
BERNARDSTON	2,048	*	*	27	0	9
BLACKSTONE	8,023	12	*	49	0	16
BLANOFORO	1,187	*	*	15	0	1
BOLTON	3,134	10	*	48	0	4
BOXBORO	3,343	12	*	46	0	3
BOXFORD	6,266	6	*	31	0	1
BOYLSTON	3,517	10	*	26	0	6
BREWSTER	8,440	17	*	93	0	20
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
ACUSHNET	*	*	*	5	33	11
ADAMS	*	*	*	*	*	*
ALFORD	*	*	*	*	*	*
ASHBURNHAM	*	*	*	*	11	*
ASHBY	*	*	*	*	*	*
ASHFIELD	*	*	*	*	*	*
AVON	*	*	*	14	89	17
AYER	409	198	*	12	31	15
BARRE	*	*	*	*	*	*
BECKET	*	*	*	*	*	*
BERKLEY	*	*	*	*	*	*
BERLIN	*	*	*	*	*	*
BERNARDSTON	*	*	*	*	*	*
BLACKSTONE	*	*	*	9	18	14
BLANOFORO	*	*	*	*	*	*
BOLTON	*	*	*	*	7	*
BOXBORO	*	*	*	*	19	27
BOXFORD	*	*	*	*	*	*
BOYLSTON	*	*	*	*	*	*
BREWSTER	*	*	*	*	*	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
BRIMFIELD	3,001	10	*	29	0	4
BROOKFIELD	2,968	7	*	45	0	6
BUCKLAND	1,928	*	*	22	0	5
CARLISLE	4,333	9	*	15	0	*
CHARLEMONT	1,249	*	*	17	0	11
CHARLTON	9,576	25	*	87	0	18
CHATHAM	6,579	17	*	73	0	27
CHESHIRE	3,479	9	*	38	0	8
CHESTER	1,280	6	*	22	0	5
CHESTERFIELD	1,048	*	*	16	0	1
CHILMARK	650	*	*	7	0	*
CLARKSBURG	1,745	11	*	22	0	3
COHASSET	7,075	15	*	40	0	17
COLRAIN	1,757	*	*	35	0	5
CONWAY	1,529	*	*	11	0	4
CUMMINGTON	785	*	*	10	0	1
DALTON	7,155	28	*	86	0	17
DEERFIELD	5,018	6	*	78	0	18
DIGHTON	5,631	9	*	36	0	9
DOUGLAS	5,438	15	*	44	0	4
DOVER	4,915	10	*	11	0	3
TOWN	COURT OUI PER YEAR 1990-1992	COURT MARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
BRIMFIELD	*	*	*	*	*	*
BROOKFIELD	*	*	*	*	*	*
BUCKLAND	*	*	*	*	*	*
CARLISLE	*	*	*	*	*	6
CHARLEMONT	*	*	*	9	*	*
CHARLTON	*	*	*	*	34	8
CHATHAM	*	*	*	*	21	5
CHESHIRE	*	*	*	*	*	*
CHESTER	*	*	*	*	*	*
CHESTERFIELD	*	*	*	*	*	*
CHILMARK	*	*	*	*	*	*
CLARKSBURG	*	*	*	*	*	*
COHASSET	*	*	*	*	14	15
COLRAIN	*	*	*	*	*	*
CONWAY	*	*	*	*	*	*
CUMMINGTON	*	*	*	*	*	*
DALTON	*	*	*	*	13	*
DEERFIELD	*	*	*	*	8	*
DIGHTON	*	*	*	*	6	*
DOUGLAS	*	*	*	*	17	*
DOVER	*	*	*	*	6	*

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
DUDLEY	9,540	51	*	90	0	18
DUNSTABLE	2,236	*	*	15	0	*
EAST BROOKFIELD	2,033	7	*	19	0	6
EASTHAM	4,462	9	*	57	0	14
EDGARTOWN	3,062	17	*	71	2	13
EGREMONT	1,229	*	*	9	0	11
ERVING	1,372	*	*	14	0	8
ESSEX	3,260	14	*	36	0	16
FLORIDA	742	*	*	9	0	4
FREETOWN	8,522	17	*	42	0	11
GAY HEAD	201	*	*	16	0	*
GEORGETOWN	6,384	14	*	45	0	7
GILL	1,583	*	*	14	0	6
GOSHEN	830	*	*	7	0	3
GOSNOLD	98	*	*	*	0	*
GRANBY	5,565	13	*	56	0	9
GRANVILLE	1,403	*	*	33	0	2
GREAT BARRINGTON	7,725	10	*	94	0	43
GROTON	7,511	22	*	38	1	9
GROVELAND	5,214	8	*	29	0	7
HADLEY	4,231	11	*	51	0	19
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUI PER YEAR 1990-1991	UCR LIQ LAM PER YEAR 1990-1991
DUDLEY	545	498	*	8	41	53
DUNSTABLE	*	*	*	*	*	*
EAST BROOKFIELD	*	*	*	*	*	*
EASTHAM	*	*	*	*	*	*
EDGARTOWN	205	76	*	*	*	*
EGREMONT	*	*	*	*	*	*
ERVING	*	*	*	*	*	*
ESSEX	*	*	*	*	*	*
FLORIDA	*	*	*	*	*	*
FREETOWN	*	*	*	6	14	8
GAY HEAD	*	*	*	*	*	*
GEORGETOWN	*	*	*	*	*	*
GILL	*	*	*	*	*	*
GOSHEN	*	*	*	*	*	*
GOSNOLD	*	*	*	*	*	*
GRANBY	*	*	*	*	50	7
GRANVILLE	*	*	*	*	10	*
GREAT BARRINGTON	182	81	*	*	*	*
GROTON	*	*	*	*	*	*
GROVELAND	*	*	*	*	*	*
HADLEY	*	*	*	*	9	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
HALIFAX	6,526	21	*	79	0	12
HAMILTON	7,280	20	*	52	0	8
HAMPDEN	4,709	12	*	50	0	8
HANCOCK	628	*	*	*	0	6
HANSON	9,028	18	*	64	0	15
HARDWICK	2,385	9	*	18	0	14
HATFIELD	3,184	8	*	30	0	12
HAWLEY	317	*	*	*	0	*
HEATH	716	*	*	8	0	1
HINSDALE	1,959	7	*	30	0	6
HOLLAND	2,185	11	*	24	0	8
HOPEDALE	5,666	15	*	42	0	2
HOPKINTON	9,191	45	*	73	0	13
HUBBARDSTON	2,797	*	*	38	0	8
HUNTINGTON	1,987	7	*	35	0	7
KINGSTON	9,045	20	*	92	0	24
LAKEVILLE	7,785	29	*	61	0	13
LANCASTER	6,661	14	*	46	0	*
LANESBORO	3,032	*	*	39	0	13
LEE	5,849	24	*	122	0	28
LENOX	5,069	23	*	69	0	35

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
HALIFAX	*	*	*	*	*	*
HAMILTON	*	*	*	*	23	14
HAMPDEN	*	*	*	*	18	8
HANCOCK	*	*	*	*	*	*
HANSON	*	*	*	*	7	*
HARDWICK	*	*	*	*	*	*
HATFIELD	*	*	*	*	5	*
HAWLEY	*	*	*	*	*	*
HEATH	*	*	*	*	*	*
HINSDALE	*	*	*	*	*	*
HOLLAND	*	*	*	*	*	*
HOPEDALE	*	*	*	*	15	15
HOPKINTON	*	*	*	*	56	7
HUBBARDSTON	*	*	*	*	*	*
HUNTINGTON	*	*	*	*	*	*
KINGSTON	*	*	*	*	*	*
LAKEVILLE	*	*	*	*	*	*
LANCASTER	*	*	*	*	18	31
LANESBORO	*	*	*	*	*	*
LEE	*	*	*	8	*	11
LENOX	*	*	*	*	20	*

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
LEVERETT	1,785	*	*	10	0	1
LEYDEN	662	*	*	6	0	*
LINCOLN	7,666	10	*	16	0	*
LITTLETON	7,051	40	*	59	0	4
LUNENBURG	9,117	20	*	77	0	17
MANCHESTER	5,286	16	*	33	0	12
MARION	4,496	10	*	46	0	13
MASHPEE	7,884	33	*	195	0	21
MATTAPOISETT	5,850	12	*	51	0	15
MEDWAY	9,931	35	*	57	0	14
MENDON	4,010	9	*	30	0	12
MERRIMAC	5,166	18	*	44	0	7
MIDDLEFIELD	392	5	*	*	0	1
MIDDLETON	4,921	17	*	63	0	16
MILLIS	7,613	26	*	43	0	12
MILLVILLE	2,236	6	*	13	0	6
MONROE	115	*	*	*	0	1
MONSON	7,776	30	*	61	0	18
MONTAGUE	8,316	6	*	243	0	21
MONTEREY	805	5	*	10	0	1
MONTGOMERY	759	*	*	*	0	*
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
LEVERETT	*	*	*	*	*	*
LEYDEN	*	*	*	*	*	*
LINCOLN	*	*	*	*	27	*
LITTLETON	*	*	*	*	*	*
LUNENBURG	*	*	*	*	*	*
MANCHESTER	*	*	*	*	8	8
MARION	*	*	*	*	*	*
MASHPEE	*	*	*	12	51	*
MATTAPOISETT	*	*	*	8	15	*
MEDWAY	*	*	*	*	20	*
MENDON	*	*	*	8	31	7
MERRIMAC	*	*	*	*	16	18
MIDDLEFIELD	*	*	*	*	*	10
MIDDLETON	*	*	*	*	21	*
MILLIS	*	*	*	*	*	12
MILLVILLE	*	*	*	*	*	*
MONROE	*	*	*	*	*	*
MONSON	*	*	*	*	*	*
MONTAGUE	*	*	*	10	25	45
MONTEREY	*	*	*	*	*	*
MONTGOMERY	*	*	*	*	*	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
MOUNT WASHINGTON	135	*	*	6	0	*
NAHANT	3,828	18	*	32	0	8
NANTUCKET	6,012	38	*	86	0	42
NEW ASHFORD	192	*	*	9	0	6
NEW BRAINTREE	881	*	*	9	0	2
NEW MARLBORO	1,240	*	*	*	0	7
NEW SALEM	802	*	*	7	0	2
NEWBURY	5,623	29	*	26	0	9
NORFOLK	9,270	30	*	40	0	8
NORTH BROOKFIELD	4,708	11	*	39	0	11
NORTHFIELD	2,838	*	*	32	0	3
NORMELL	9,279	18	*	48	0	14
OAK BLUFFS	2,804	25	*	42	6	13
OAKHAM	1,503	*	*	8	0	2
ORANGE	7,312	25	*	137	1	21
ORLEANS	5,838	17	*	75	0	34
OTIS	1,073	6	*	27	0	9
PAXTON	4,047	*	*	14	0	7
PELHAM	1,373	*	*	13	0	2
PERU	779	*	*	6	0	*
PETERSHAM	1,131	*	*	11	0	5
					UCR LIQ LAM PER YEAR 1990-1991	
					UCR DUIL PER YEAR 1990-1991	
					UCR POSSESSION PER YEAR 1990-1991	
					UCR SALE PER YEAR 1990-1991	
					UCR NARC PER YEAR 1990-1992	
					COURT OUI PER YEAR 1990-1992	
					COURT NARC PER YEAR 1990-1992	
					UCR SALE PER YEAR 1990-1991	
					UCR POSSESSION PER YEAR 1990-1991	
					UCR DUIL PER YEAR 1990-1991	
					UCR LIQ LAM PER YEAR 1990-1991	
MOUNT WASHINGTON	*	*	*	*	*	*
NAHANT	*	*	*	*	14	9
NANTUCKET	49	51	*	5	33	22
NEW ASHFORD	*	*	*	*	*	*
NEW BRAINTREE	*	*	*	*	*	*
NEW MARLBORO	*	*	*	*	*	*
NEW SALEM	*	*	*	*	*	*
NEWBURY	*	*	*	*	*	*
NORFOLK	*	*	*	5	18	5
NORTH BROOKFIELD	*	*	*	*	*	*
NORTHFIELD	*	*	*	*	*	*
NORMELL	*	*	*	*	*	*
OAK BLUFFS	*	*	*	*	*	*
OAKHAM	*	*	*	*	*	*
ORANGE	159	96	*	8	38	32
ORLEANS	502	280	6	*	18	*
OTIS	*	*	*	*	*	*
PAXTON	*	*	*	*	*	*
PELHAM	*	*	*	*	*	*
PERU	*	*	*	*	*	*
PETERSHAM	*	*	*	*	*	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----									
(continued)									
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992			
PHILLIPSTON	1,485	*	*	21	0	5			
PLAINFIELD	571	*	*	12	0	4			
PLAINVILLE	6,871	18	*	69	0	20			
PLYMPTON	2,384	7	*	31	0	2			
PRINCETON	3,189	*	*	17	0	9			
PROVINCETOWN	3,561	17	*	80	0	32			
RAYNHAM	9,867	20	*	79	0	25			
REHOBOTH	8,656	6	*	41	0	17			
RICHMOND	1,677	*	*	18	0	1			
ROCHESTER	3,921	*	*	28	0	5			
ROCKPORT	7,482	32	*	52	0	*			
ROWE	378	*	*	*	0	*			
ROWLEY	4,452	9	*	48	0	10			
ROYALSTON	1,147	*	*	10	0	3			
RUSSELL	1,594	10	*	30	0	7			
RUTLAND	4,936	12	*	30	0	5			
SALISBURY	6,882	30	*	75	0	23			
SANDISFIELD	667	*	*	12	0	4			
SAVOY	634	*	*	14	0	3			
SHEFFIELD	2,910	8	*	34	0	10			
SHELBURNE	2,012	7	*	43	0	9			
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991			
PHILLIPSTON	*	*	*	*	*	*			
PLAINFIELD	*	*	*	*	*	*			
PLAINVILLE	*	*	*	*	*	*			
PLYMPTON	*	*	*	*	*	*			
PRINCETON	*	*	*	*	*	*			
PROVINCETOWN	*	*	6	9	27	*			
RAYNHAM	*	*	*	*	33	*			
REHOBOTH	*	*	*	*	31	6			
RICHMOND	*	*	*	*	*	*			
ROCHESTER	*	*	*	*	*	*			
ROCKPORT	*	*	*	*	14	*			
ROME	*	*	*	*	61	*			
ROWLEY	*	*	*	*	*	*			
ROYALSTON	*	*	*	*	*	*			
RUSSELL	*	*	*	*	*	*			
RUTLAND	*	*	*	*	7	*			
SALISBURY	*	*	*	*	*	*			
SANDISFIELD	*	*	*	*	*	*			
SAVOY	*	*	*	*	*	*			
SHEFFIELD	*	*	*	*	*	*			
SHELBURNE	*	*	*	*	*	*			

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
SHERBORN	3,989	9	*	16	0	3
SHIRLEY	6,118	19	*	56	0	9
SHUTESBURY	1,561	*	*	12	0	1
SOUTHAMPTON	4,478	12	*	38	0	9
SOUTHBORO	6,628	20	*	36	0	15
SOUTHWICK	7,667	24	*	104	0	23
STERLING	6,481	18	*	52	0	11
STOCKBRIDGE	2,408	8	*	34	2	12
STOW	5,328	18	*	26	0	5
STURBRIDGE	7,775	27	*	80	0	22
SUNDERLAND	3,399	9	*	51	0	11
SUTTON	6,824	22	*	47	0	14
TEMPLETON	6,438	19	*	69	0	17
TISBURY	3,120	*	*	44	2	*
TOLLAND	289	*	*	*	0	*
TOPSFIELD	5,754	15	*	66	0	*
TONSEND	8,496	19	*	47	0	10
TRURO	1,573	*	*	22	0	5
TYNGSBORO	8,642	13	*	60	0	25
TYRINGHAM	369	*	*	5	0	*
UPTON	4,677	15	*	36	0	8

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAM PER YEAR 1990-1991
SHERBORN	*	*	*	*	8	*
SHIRLEY	*	*	*	*	18	8
SHUTESBURY	*	*	*	*	*	*
SOUTHAMPTON	*	*	*	*	*	*
SOUTHBORO	*	*	*	*	13	*
SOUTHWICK	*	*	*	*	*	*
STERLING	*	*	*	10	42	21
STOCKBRIDGE	*	*	*	*	8	*
STOW	*	*	*	*	11	*
STURBRIDGE	*	*	*	9	55	11
SUNDERLAND	*	*	*	*	7	*
SUTTON	*	*	*	*	*	*
TEMPLETON	*	*	*	*	*	*
TISBURY	*	*	*	*	38	*
TOLLAND	*	*	*	*	*	*
TOPSFIELD	*	*	*	*	*	*
TONSENSO	*	*	*	*	*	*
TRURO	*	*	*	*	*	*
TYNGSBORO	*	*	*	*	*	*
TYRINGHAM	*	*	*	*	*	*
UPTON	*	*	*	*	*	*

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
MALES	1,566	6	*	19	0	4
WARE	9,808	54	*	120	1	23
WARREN	4,437	20	*	42	0	11
WARWICK	740	*	*	14	0	1
WASHINGTON	615	*	*	6	0	2
WELLFLEET	2,493	8	*	34	0	10
WENDELL	899	*	*	15	0	1
WENHAM	4,212	8	*	21	0	*
WEST BOYLSTON	6,611	17	*	42	0	13
WEST BRIDGEMATER	6,389	16	*	41	0	16
WEST BROOKFIELD	3,532	7	*	20	0	10
WEST NEWBURY	3,421	*	*	10	0	3
WEST STOCKBRIDGE	1,483	*	*	19	0	6
WEST TISBURY	1,704	6	*	10	1	*
WESTHAMPTON	1,327	6	*	8	0	*
WESTMINSTER	6,191	11	*	45	0	11
WHATELY	1,375	*	*	9	0	7
WILLIAMSBURG	2,515	12	*	26	0	14
WILLIAMSTOWN	8,220	*	*	46	0	22
WINCHENDON	8,805	22	*	117	0	24
WINDSOR	770	*	*	16	0	2

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
MALES	*	*	*	*	*	*
WARE	188	95	*	10	35	30
WARREN	*	*	*	*	*	*
WARWICK	*	*	*	*	*	*
WASHINGTON	*	*	*	*	*	*
WELLFLEET	*	*	*	*	24	*
WENDELL	*	*	*	*	*	*
WENHAM	*	*	*	*	25	14
WEST BOYLSTON	*	*	*	20	48	11
WEST BRIDGEMATER	*	*	*	20	52	66
WEST BROOKFIELD	*	*	*	*	*	*
WEST NEWBURY	*	*	*	*	*	*
WEST STOCKBRIDGE	*	*	*	*	*	*
WEST TISBURY	*	*	*	*	*	*
WESTHAMPTON	*	*	*	*	19	*
WESTMINSTER	*	*	*	*	*	*
WHATELY	*	*	*	*	*	*
WILLIAMSBURG	*	*	*	*	*	*
WILLIAMSTOWN	*	*	*	*	*	*
WINCHENDON	40	21	*	14	*	*
WINDSOR	*	*	*	*	26	*

APPENDIX B: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN INCIDENCE PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
WORTHINGTON WRENTHAM	1,156 9,006	* 30	* *	12 91	0 0	6 14
SIZE	776,637 =====	2,099 =====	0 =====	7,547 =====	16 =====	1,780 =====
	6,016,425	30,747	1,448	88,507	251	9,915
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUI/L PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
WORTHINGTON WRENTHAM	* 382	* 351	* *	* *	* *	* *
SIZE	2,661 =====	1,746 =====	12 =====	221 =====	1,552 =====	605 =====
	29,062	41,447	4,218	6,841	10,521	3,526

APPENDIX C

SUBSTANCE USE INDICATORS BY TOWN MEAN RATE PER 100,000 POPULATION PER YEAR

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

SIZE OF COMMUNITY=OVER 90,000 (N=8)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
BOSTON	574,283	921	41	3,252	13	176
BROCKTON	92,788	603	27	1,798	0	141
CAMBRIDGE	95,802	1,142	37	1,700	19	264
FALL RIVER	92,703	501	46	2,131	0	172
LOWELL	103,439	594	48	2,034	9	135
NEW BEDFORD	99,922	625	42	2,325	0	183
SPRINGFIELD	156,983	814	38	3,209	8	145
WORCESTER	169,759	659	40	1,895	11	170
SIZE	1,385,679	5,858	319	18,344	60	1,385
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
BOSTON	540	1,731	401	342	111	14
BROCKTON	696	1,208	134	79	118	6
CAMBRIDGE	397	607	*	*	*	*
FALL RIVER	760	1,412	133	270	276	135
LOWELL	762	1,818	*	*	*	*
NEW BEDFORD	495	3,032	327	375	215	107
SPRINGFIELD	359	1,646	163	1,060	103	28
WORCESTER	588	1,007	*	*	*	*
SIZE	4,597	12,461	1,158	2,126	824	290

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=50,000 - 90,000 (N=13) -----						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	OEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
BROOKLINE	54,718	319	20	498	6	137
CHICOPEE	56,632	667	35	1,549	2	188
FRAMINGHAM	64,989	710	27	1,355	5	140
HAVERHILL	51,418	327	35	1,267	4	133
LAWRENCE	70,207	581	38	2,087	9	164
LYNN	81,245	1,539	53	2,053	4	170
MALDEN	53,884	717	33	1,110	0	128
MEDFORD	57,407	549	36	750	5	49
NEWTON	82,585	256	17	433	4	129
QUINCY	84,985	692	32	1,841	0	142
SOMERVILLE	76,210	894	34	1,363	1	141
WALTHAM	57,878	831	24	1,313	5	136
WEYMOUTH	54,063	445	36	965	0	121
SIZE	846,221	8,526	421	16,585	44	1,778

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
BROOKLINE	169	321	18	55	91	*
CHICOPEE	448	469	*	*	*	*
FRAMINGHAM	969	1,091	32	125	226	51
HAVERHILL	558	939	183	139	186	43
LAWRENCE	796	2,269	342	419	181	21
LYNN	634	1,500	*	*	*	*
MALDEN	950	817	*	75	116	43
MEDFORD	*	*	27	93	132	52
NEWTON	212	71	*	34	82	*
QUINCY	1,245	760	36	75	109	102
SOMERVILLE	643	578	75	128	108	72
WALTHAM	585	497	12	98	143	114
WEYMOUTH	*	*	*	22	223	76
SIZE	7,209	9,313	725	1,262	1,595	575

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=25,000 - 50,000 (N=45) -----

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
AGAWAM	27,323	319	19	902	11	167
AMHERST	35,228	158	*	675	9	126
ANDOVER	29,151	184	19	489	0	96
ARLINGTON	44,630	406	38	578	2	23
ATTLEBORO	38,383	398	37	1,601	0	142
BARNSTABLE	40,949	461	46	3,080	0	273
BEVERLY	38,195	614	31	1,308	3	126
BILLERICA	37,609	261	16	835	0	120
BRAINTREE	33,836	352	26	734	0	160
CHELMSFORD	52,383	164	20	474	0	100
CHELSEA	28,710	1,065	58	2,181	29	208
DARTMOUTH	27,244	222	20	644	0	168
DRACUT	25,594	183	31	761	0	166
EVERETT	35,701	894	46	1,329	11	141
FALMOUTH	27,960	479	38	2,904	0	244
FITCHBURG	41,194	521	64	2,332	0	179
GLOUCESTER	28,716	915	51	1,542	14	216
HOLYOKE	43,704	1,964	52	3,403	7	221
LEOMINSTER	38,145	339	33	1,792	8	183
LEXINGTON	28,974	216	*	349	0	62
MARLBORO	31,813	641	29	1,113	0	200

TOWN	COURT QUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
AGAWAM	*	*	*	*	*	*
AMHERST	*	*	*	*	*	*
ANDOVER	*	*	19	35	212	61
ARLINGTON	*	*	13	*	71	24
ATTLEBORO	2,368	1,465	*	*	*	*
BARNSTABLE	2,913	1,366	77	117	1,310	208
BEVERLY	*	*	29	34	218	*
BILLERICA	*	*	*	*	*	*
BRAINTREE	*	*	*	72	270	19
CHELMSFORD	*	*	18	33	102	21
CHELSEA	2,286	4,022	*	*	*	*
DARTMOUTH	*	*	*	*	61	18
DRACUT	*	*	*	41	174	83
EVERETT	*	*	*	245	399	130
FALMOUTH	*	*	*	*	*	*
FITCHBURG	490	683	84	44	178	120
GLOUCESTER	608	1,022	72	160	269	89
HOLYOKE	409	4,132	*	*	*	*
LEOMINSTER	683	477	51	62	286	63
LEXINGTON	*	*	*	18	63	54
MARLBORO	1,047	1,224	56	121	401	40

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=25,000 - 50,000 (N=45) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
MELROSE	28,150	479	24	639	0	28
METHUEN	39,990	328	28	835	0	145
MILFORO	25,355	456	26	1,250	4	205
MILTON	25,725	347	26	553	0	19
NATICK	30,510	545	36	639	0	71
NEEDHAM	27,557	229	23	357	0	32
NORTH ATTLEBORO	25,038	261	20	781	4	128
NORTHAMPTON	29,289	532	48	1,933	3	226
NORWOOD	28,700	600	24	962	3	169
PEABODY	47,039	474	23	946	0	144
PITTSFIELD	48,622	789	23	2,944	0	230
PLYMOUTH	45,608	262	18	1,325	0	134
RANDOLPH	30,093	337	32	847	0	114
REVERE	42,786	932	49	1,783	12	157
SALEM	38,091	962	52	1,566	5	209
SAUGUS	25,549	599	21	813	4	160
STOUGHTON	26,777	339	*	893	0	174
TAUNTON	49,832	30	40	1,326	0	166
TEWKSBURY	27,266	219	*	871	4	133
WATERTOWN	33,284	452	29	691	30	160
WELLESLEY	26,615	228	*	316	0	60

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
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MELROSE	*	*	*	20	91	45
METHUEN	*	*	17	36	99	24
MILFORO	1,324	947	*	68	316	62
MILTON	*	*	21	28	149	28
NATICK	358	176	*	23	50	27
NEEDHAM	*	*	*	40	85	65
NORTH ATTLEBORO	*	*	*	113	1,092	108
NORTHAMPTON	2,264	1,123	*	23	265	32
NORWOOD	*	*	25	105	284	186
PEABODY	849	426	41	69	495	17
PITTSFIELD	742	502	58	55	123	49
PLYMOUTH	1,200	601	*	*	*	*
RANDOLPH	*	*	*	*	*	*
REVERE	*	*	151	143	268	42
SALEM	1,326	1,018	106	93	186	196
SAUGUS	*	*	37	45	265	25
STOUGHTON	1,719	822	40	90	253	53
TAUNTON	1,118	936	103	70	244	76
TEWKSBURY	*	*	*	*	*	*
WATERTOWN	*	*	*	44	195	46
WELLESLEY	*	*	*	*	*	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=25,000 - 50,000 (N=45) -----												
(continued)												
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992						
WEST SPRINGFIELD	27,537	636	30	1,356	0	179						
WESTFIELD	38,372	*	32	1,648	3	140						
WOBBURN	35,943	412	29	772	5	111						
SIZE	1,519,170	21,205	1,306	55,122	170	6,614						
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUI PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991						
WEST SPRINGFIELD	*	*	67	247	368	119						
WESTFIELD	776	406	38	57	215	34						
WOBBURN	1,490	937	34	30	104	47						
SIZE	23,969	22,284	1,159	2,384	9,162	2,209						

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
ABINGTON	13,817	348	*	865	0	218
ACTON	17,872	339	*	552	0	121
AMESBURY	14,997	439	*	845	7	177
ASHLAND	12,066	491	*	649	0	192
ATHOL	11,451	293	*	1,928	0	251
AUBURN	15,005	285	*	596	0	181
BEDFORD	12,996	457	*	534	0	69
BELCHERTOWN	10,579	267	*	984	0	152
BELLINGHAM	14,877	235	*	800	0	184
BELMONT	24,720	292	22	448	0	*
BOURNE	16,064	345	34	1,426	0	268
BRIDGEWATER	21,249	254	*	975	0	137
BURLINGTON	23,302	274	21	586	4	98
CANTON	18,530	319	*	632	0	164
CARVER	10,590	277	48	1,112	0	112
CLINTON	13,222	416	41	1,472	0	275
CONCORA	17,076	435	*	531	6	121
OANVERS	24,174	376	21	836	0	180
DEDHAM	23,782	431	27	919	0	155
DENNIS	13,864	310	40	1,552	0	304
DUXBURY	13,895	142	*	575	0	91
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
ABINGTON	*	*	*	*	*	*
ACTON	*	*	*	50	178	78
AMESBURY	1,707	860	40	147	1,294	560
ASHLAND	*	*	*	166	332	99
ATHOL	*	*	*	*	*	*
AUBURN	*	*	40	90	491	*
BEDFORD	*	*	*	*	186	*
BELCHERTOWN	*	*	*	80	533	306
BELLINGHAM	*	*	*	42	326	118
BELMONT	*	*	*	*	61	142
BOURNE	*	*	40	70	408	*
BRIOWATER	*	*	31	42	184	105
BURLINGTON	*	*	*	*	*	*
CANTON	*	*	*	*	*	*
CARVER	*	*	*	*	147	*
CLINTON	2,443	2,902	*	*	*	*
CONCORA	2,819	1,391	38	59	842	94
OANVERS	*	*	*	47	299	280
OEOHAM	1,680	1,075	*	91	237	35
DENNIS	*	*	*	*	259	146
OUBURY	*	*	*	*	194	128

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

SIZE OF COMMUNITY=10,000 - 25,000 (N=95)
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
EAST BRIDGEWATER	11,104	219	*	607	0	181
EAST LONGMEADOW	13,367	192	*	588	0	149
EASTHAMPTON	15,537	542	49	1,849	0	215
EASTON	19,807	232	*	632	0	169
FAIRHAVEN	16,132	362	31	1,257	0	249
FOXBORO	14,637	341	*	657	0	153
FRANKLIN	22,095	379	*	655	0	184
GARNER	20,125	522	41	2,011	5	179
GRAFTON	13,035	202	*	654	0	168
GREENFIELD	18,666	237	41	5,413	22	216
HANOVER	11,912	204	*	501	0	202
HARVARD	12,329	48	*	152	0	*
HARWICH	10,275	286	*	1,078	*	253
HINGHAM	19,821	179	*	515	0	137
HOLBROOK	11,041	256	*	963	0	124
HOLDEN	14,628	169	*	308	0	75
HOLLISTON	12,926	275	*	478	0	75
HUOSON	17,233	503	30	820	0	185
HULL	10,466	643	*	2,126	0	263
IPSWICH	11,873	383	*	1,177	0	231
LEICESTER	10,191	182	*	648	0	175

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
EAST BRIDGEWATER	*	*	*	67	474	204
EAST LONGMEADOW	*	*	*	*	87	*
EASTHAMPTON	*	*	*	*	*	*
EASTON	*	*	*	27	348	67
FAIRHAVEN	*	*	*	*	*	*
FOXBORO	*	*	101	172	162	114
FRANKLIN	*	*	*	26	102	65
GARNER	1,131	810	43	43	175	136
GRAFTON	*	*	*	*	*	*
GREENFIELD	1,553	1,047	*	*	*	*
HANOVER	*	*	*	*	*	*
HARVARD	*	*	*	*	80	75
HARWICH	*	*	*	149	585	95
HINGHAM	2,372	1,455	*	84	372	241
HOLBROOK	*	*	*	*	*	*
HOLDEN	*	*	*	*	315	87
HOLLISTON	*	*	*	131	320	100
HUOSON	*	*	36	49	295	122
HULL	*	*	58	177	669	524
IPSWICH	419	425	124	57	258	190
LEICESTER	*	*	*	*	280	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

SIZE OF COMMUNITY=10,000 - 25,000 (N=95)						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
LONGMEADOW	15,467	170	*	376	0	77
LUDLOW	18,820	269	*	722	0	188
LYNNFIELD	11,274	257	*	460	0	80
MANSFIELD	16,568	308	*	722	0	131
MARBLEHEAD	19,971	333	25	569	5	161
MARSHFIELD	21,531	270	*	860	0	160
MAYNARD	10,325	799	*	866	0	247
MEDFIELD	10,531	349	*	440	0	74
MIDDLEBORO	17,867	65	*	893	0	177
MILLBURY	12,228	282	*	898	0	156
NEWBURYPORT	16,317	52	*	1,081	6	222
NORTH ADAMS	16,797	*	42	2,447	0	259
NORTH ANDOVER	22,792	205	22	642	4	111
NORTH READING	12,002	405	*	498	0	138
NORTHBORO	11,929	250	*	511	0	182
NORTHBRIDGE	13,371	334	37	1,102	0	180
NORTON	14,265	332	*	973	0	215
OXFORD	12,588	369	*	941	0	218
PALMER	12,054	830	44	1,219	8	269
PENBROKE	14,544	241	*	851	0	196
PEPPERELL	10,098	195	*	732	0	46
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
LONGMEADOW	*	*	*	*	181	103
LUDLOW	*	*	*	30	242	58
LYNNFIELD	*	*	*	*	188	*
MANSFIELD	*	*	*	85	36	72
MARBLEHEAD	*	*	*	*	119	95
MARSHFIELD	*	*	*	29	261	111
MAYNARD	*	*	87	243	646	439
MEDFIELD	*	*	*	*	76	*
MIDDLEBORO	*	*	*	82	492	228
MILLBURY	*	*	*	74	540	*
NEWBURYPORT	3,222	1,399	*	*	*	*
NORTH ADAMS	1,521	862	41	114	299	122
NORTH ANDOVER	*	*	*	97	275	163
NORTH READING	*	*	*	93	323	101
NORTHBORO	*	*	*	*	*	*
NORTHBRIDGE	*	*	*	100	294	551
NORTON	*	*	*	93	218	153
OXFORD	*	*	*	*	248	*
PALMER	2,750	775	*	*	*	*
PENBROKE	*	*	*	52	279	223
PEPPERELL	*	*	*	*	151	156

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
READING	22,539	279	*	565	0	48
ROCKLAND	16,123	362	*	849	0	157
SANDWICH	15,489	208	*	1,177	0	181
SCITUATE	16,786	302	32	706	0	137
SEEKONK	13,046	74	*	316	0	205
SHARON	15,517	179	*	422	0	12
SHREWSBURY	24,146	267	32	627	0	154
SOMERSET	17,655	168	*	815	0	131
SOUTH HADLEY	16,685	468	*	1,131	12	190
SOUTHBRIDGE	17,816	57	*	1,865	0	234
SPENCER	11,645	243	*	1,048	0	192
STONEHAM	22,203	375	28	579	0	84
SUDBURY	14,358	326	*	321	0	109
SWAMPSCOTT	13,650	353	*	530	0	126
SWANSEA	15,411	183	*	766	0	193
UXBRIDGE	10,415	285	*	1,173	0	201
WAKEFIELD	24,825	496	29	652	0	64
MALPOLE	20,212	433	*	819	0	172
WAREHAM	19,232	386	36	2,018	0	220
MAYLAND	11,874	314	*	369	0	132
WEBSTER	16,196	198	*	1,033	0	290

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAM PER YEAR 1990-1991
READING	*	*	*	63	259	46
ROCKLAND	*	*	*	*	*	*
SANDWICH	*	*	*	*	*	*
SCITUATE	*	*	*	45	284	268
SEEKONK	*	*	*	153	463	92
SHARON	*	*	*	32	329	*
SHREWSBURY	*	*	*	*	*	*
SOMERSET	*	*	*	51	217	83
SOUTH HADLEY	*	*	*	139	631	151
SOUTHBRIDGE	*	*	*	*	*	*
SPENCER	2,271	1,003	*	38	84	*
STONEHAM	*	*	*	*	*	*
SUDBURY	*	*	*	*	427	94
SWAMPSCOTT	*	*	*	*	155	*
SWANSEA	*	*	*	*	701	663
UXBRIDGE	2,452	1,656	96	211	144	178
WAKEFIELD	*	*	*	55	*	*
MALPOLE	*	*	*	142	1,180	120
WAREHAM	2,866	2,033	71	163	*	*
MAYLAND	*	*	*	*	526	212
WEBSTER	*	*	73	*	*	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=10,000 - 25,000 (N=95) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
WESTBORO	14,133	310	*	744	0	220
WESTFORD	16,392	180	*	469	0	159
WESTON	10,200	175	*	178	0	*
WESTPORT	13,852	217	36	1,025	0	191
WESTWOOD	12,557	314	*	486	0	*
WHITMAN	13,240	285	*	705	0	129
WILBRAHAM	12,635	218	*	464	8	188
WILMINGTON	17,651	181	*	557	6	67
WINCHESTER	20,267	275	*	329	0	45
WINTHROP	18,127	499	28	1,076	11	104
YARMOUTH	21,174	319	48	1,814	0	5
SIZE	1,488,718	28,626	885	85,337	103	14,859

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
WESTBORO	3,047	2,137	*	*	229	45
WESTFORD	*	*	*	86	172	43
WESTON	*	*	*	*	269	146
WESTPORT	*	*	*	*	*	*
WESTWOOD	*	*	*	*	187	*
WHITMAN	*	*	*	*	*	*
WILBRAHAM	*	*	*	*	181	79
WILMINGTON	*	*	28	64	208	198
WINCHESTER	*	*	*	*	74	86
WINTHROP	*	*	*	*	*	*
YARMOUTH	*	*	62	112	365	175
SIZE	32,251	19,830	1,009	4,310	22,446	9,365

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
ACUSHNET	9,554	258	*	951	0	219
ADAMS	9,445	505	*	1,584	0	296
ALFORD	418	*	*	*	0	*
ASHBURNHAM	5,433	240	*	859	0	176
ASHBY	2,717	211	*	820	0	168
ASHFIELD	1,715	*	*	1,165	0	169
AVON	4,558	571	*	1,143	0	236
AYER	6,871	451	*	1,091	0	160
BARRE	4,546	301	*	1,025	0	336
BECKET	1,481	*	*	1,572	0	471
BERKLEY	4,237	368	*	977	0	136
BERLIN	2,293	405	*	898	0	216
BERNARDSTON	2,048	*	*	1,328	0	435
BLACKSTONE	8,023	144	*	607	0	195
BLANDFORD	1,187	*	*	1,258	0	80
BOLTON	3,134	325	*	1,498	0	124
BOXBORO	3,343	363	*	1,355	0	87
BOXFORD	6,266	88	*	477	0	15
BOYLSTON	3,517	273	*	743	0	168
BREWSTER	8,440	198	*	1,064	0	220
TOWN						
	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
ACUSHNET	*	*	*	52	345	115
ADAMS	*	*	*	*	*	*
ALFORD	*	*	*	*	*	*
ASHBURNHAM	*	*	*	*	198	*
ASHBY	*	*	*	*	*	*
ASHFIELD	*	*	*	*	*	*
AVON	*	*	*	305	1,942	360
AYER	5,947	2,874	*	174	451	213
BARRE	*	*	*	*	*	*
BECKET	*	*	*	*	*	*
BERKLEY	*	*	*	*	*	*
BERLIN	*	*	*	*	*	*
BERNARDSTON	*	*	*	*	*	*
BLACKSTONE	*	*	*	115	222	176
BLANDFORD	*	*	*	*	*	*
BOLTON	*	*	*	*	220	*
BOXBORO	*	*	*	*	560	796
BOXFORD	*	*	*	*	*	*
BOYLSTON	*	*	*	*	*	*
BREWSTER	*	*	*	*	*	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNOER 10,000 (N=190) -----						
(continued)						
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
BRIMFIELD	3,001	336	*	953	0	127
BROOKFIELD	2,968	244	*	1,495	0	197
BUCKLAND	1,928	*	*	1,139	0	251
CARLISLE	4,333	195	*	330	0	*
CHARLEMONT	1,249	*	*	1,304	0	841
CHARLTON	9,576	257	*	896	0	183
CHATHAM	6,579	250	*	1,093	0	398
CHEESHIRE	3,479	246	*	1,077	0	224
CHESTER	1,280	438	*	1,728	0	383
CHESTERFIELD	1,048	*	*	1,430	0	81
CHILMARK	650	*	*	1,003	0	*
CLARKSBURG	1,745	642	*	1,271	0	170
COHASSET	7,075	208	*	550	0	232
COLORAIN	1,757	*	*	1,972	0	279
CONWAY	1,529	*	*	704	0	251
CUMMINGTON	785	*	*	1,152	0	116
OALTON	7,155	400	*	1,208	0	242
OERFIELD	5,018	125	*	1,552	0	354
OIGHTON	5,631	159	*	635	0	158
DOUGLAS	5,438	279	*	801	0	72
DOOVER	4,915	194	*	227	0	59
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
BRIMFIELD	*	*	*	*	*	*
BROOKFIELD	*	*	*	*	*	*
BUCKLAND	*	*	*	*	*	*
CARLISLE	*	*	*	*	*	133
CHARLEMONT	*	*	*	*	*	*
CHARLTON	*	*	*	96	350	79
CHATHAM	*	*	*	*	319	75
CHEESHIRE	*	*	*	*	*	*
CHESTER	*	*	*	*	*	*
CHESTERFIELD	*	*	*	*	*	*
CHILMARK	*	*	*	*	*	*
CLARKSBURG	*	*	*	*	*	*
COHASSET	*	*	*	*	194	208
COLORAIN	*	*	*	*	*	*
CONWAY	*	*	*	*	*	*
CUMMINGTON	*	*	*	*	*	*
OALTON	*	*	*	*	188	*
OERFIELD	*	*	*	*	165	*
OIGHTON	*	*	*	*	112	*
DOUGLAS	*	*	*	*	303	*
DOOVER	*	*	*	*	127	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
UDLEY	9,540	533	*	941	0	188
OUNSTABLE	2,236	*	*	638	0	*
EAST BROOKFIELD	2,033	329	*	939	0	298
EASTHAM	4,462	187	*	1,239	0	292
EDGARTOWN	3,062	537	*	2,254	61	398
EGREMONT	1,229	*	*	688	0	852
ERVING	1,372	*	*	973	0	556
ESSEX	3,260	441	*	1,118	0	494
FLORIDA	742	*	*	1,251	0	533
FREETOWN	8,522	201	*	487	0	126
GAY HEAD	201	*	*	7,898	0	*
GEORGETOWN	6,384	222	*	702	0	107
GILL	1,583	*	*	903	0	377
GOSHEN	830	*	*	838	0	326
GOSNOLD	98	*	*	*	0	*
GRANBY	5,565	236	*	999	0	158
GRANVILLE	1,403	*	*	2,305	0	134
GREAT BARRINGTON	7,725	135	*	1,224	0	563
GROTON	7,511	290	*	498	13	114
GROVELAND	5,214	146	*	560	0	133
HADLEY	4,231	269	*	1,200	0	451
TOWN	COURT QUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
UDLEY	5,700	5,202	*	85	433	558
DUNSTABLE	*	*	*	*	*	*
EAST BROOKFIELD	*	*	*	*	*	*
EASTHAM	*	*	*	*	*	*
EDGARTOWN	6,476	2,390	*	*	*	*
EGREMONT	*	*	*	*	*	*
ERVING	*	*	*	*	*	*
ESSEX	*	*	*	*	*	*
FLORIDA	*	*	*	*	*	*
FREETOWN	*	*	*	75	159	97
GAY HEAD	*	*	*	*	*	*
GEORGETOWN	*	*	*	*	*	*
GILL	*	*	*	*	*	*
GOSHEN	*	*	*	*	*	*
GOSNOLD	*	*	*	*	*	*
GRANBY	*	*	*	*	887	130
GRANVILLE	*	*	*	*	*	*
GREAT BARRINGTON	2,370	1,051	*	*	124	*
GROTON	*	*	*	*	*	*
GROVELAND	*	*	*	*	*	*
HADLEY	*	*	*	*	221	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
HALIFAX	6,526	313	*	1,192	0	180
HAMILTON	7,280	268	*	709	0	108
HAMPDEN	4,709	251	*	1,040	0	165
HANCOCK	628	*	*	*	0	965
HANSON	9,028	198	*	700	0	164
HARDWICK	2,385	357	*	754	0	566
HATFIELD	3,184	238	*	943	0	369
HAWLEY	317	*	*	*	0	*
HEATH	716	*	*	1,075	0	141
HINSDALE	1,959	361	*	1,496	0	299
HOLLAND	2,185	502	*	1,050	0	344
HOPEDALE	5,666	262	*	745	0	36
HOPKINTON	9,191	476	*	769	0	134
HUBBARDSTON	2,797	*	*	1,338	0	282
HUNTINGTON	1,937	365	*	1,725	0	345
KINGSTON	9,045	223	*	1,011	0	262
LAKEVILLE	7,785	370	*	765	0	159
LANCASTER	6,661	215	*	696	0	*
LANESBORO	3,032	*	*	1,261	0	412
LEE	5,849	415	*	2,075	0	476
LENOX	5,069	459	*	1,364	0	687

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUTL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
HALIFAX	*	*	*	*	*	*
HAMILTON	*	*	*	*	318	191
HAMPDEN	*	*	*	*	384	160
HANCOCK	*	*	*	*	*	*
HANSON	*	*	*	*	77	*
HARDWICK	*	*	*	*	*	*
HATFIELD	*	*	*	*	170	*
HAWLEY	*	*	*	*	*	*
HEATH	*	*	*	*	*	*
HINSDALE	*	*	*	*	*	*
HOLLAND	*	*	*	*	*	*
HOPEDALE	*	*	*	*	271	273
HOPKINTON	*	*	*	*	588	69
HUBBARDSTON	*	*	*	*	*	*
HUNTINGTON	*	*	*	*	*	*
KINGSTON	*	*	*	*	*	*
LAKEVILLE	*	*	*	*	*	*
LANCASTER	*	*	*	*	270	459
LANESBORO	*	*	*	*	*	*
LEE	*	*	*	142	348	196
LENOX	*	*	*	*	*	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
LEVERETT	1,785	*	*	535	0	55
LEYDEN	662	*	*	915	0	*
LINCOLN	7,666	129	*	206	0	*
LITTLETON	7,051	564	*	829	0	55
LUNENBURG	9,117	215	*	841	0	185
MANCHESTER	5,286	294	*	614	0	224
MARION	4,496	229	*	1,018	0	286
MASHPEE	7,884	395	*	2,357	0	243
MATTAPoisETT	5,850	209	*	858	0	252
NEDWAY	9,931	347	*	568	0	136
MENDON	4,010	229	*	745	0	291
MERRIMAC	5,166	338	*	834	0	132
MIDDLEFIELD	392	1,184	*	*	0	221
MIDDLETON	4,921	337	*	1,241	0	309
MILLIS	7,613	337	*	561	0	153
MILLVILLE	2,236	262	*	568	0	256
MONROE	115	*	*	*	0	891
MONSON	7,776	386	*	772	0	227
MONTAGUE	8,316	74	*	2,919	0	253
MONTEREY	805	574	*	1,110	0	107
MONTGOMERY	759	*	*	*	0	*

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
LEVERETT	*	*	*	*	*	*
LEYDEN	*	*	*	*	*	*
LINCOLN	*	*	*	*	347	*
LITTLETON	*	*	*	*	*	*
LUNENBURG	*	*	*	*	*	*
MANCHESTER	*	*	*	*	144	150
MARION	*	*	*	*	*	*
MASHPEE	*	*	*	149	632	*
MATTAPoisETT	*	*	*	130	260	*
MEDWAY	*	*	*	*	198	69
MENDON	*	*	*	188	762	434
MERRIMAC	*	*	*	*	312	185
MIDDLEFIELD	*	*	*	*	*	*
MIDDLETON	*	*	*	*	422	238
MILLIS	*	*	*	*	*	*
MILLVILLE	*	*	*	*	*	*
MONROE	*	*	*	*	*	*
MONSON	*	*	*	*	*	*
MONTAGUE	*	*	*	122	303	537
MONTEREY	*	*	*	*	*	*
MONTGOMERY	*	*	*	*	*	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
MOUNT WASHINGTON	135	*	*	4,505	0	*
NAHANT	3,828	468	*	823	0	207
NANTUCKET	6,012	609	*	1,378	0	649
NEW ASHFORD	192	*	*	4,586	0	3,226
NEW BRAINTREE	881	*	*	1,023	0	228
NEW MARLBORO	1,240	*	*	*	0	520
NEW SALEM	802	*	*	827	0	225
NEMBURY	5,623	510	*	452	0	153
NORFOLK	9,270	319	*	425	0	82
NORTH BROOKFIELD	4,708	233	*	826	0	232
NORTHFIELD	2,838	*	*	1,116	0	106
NORWELL	9,279	198	*	521	0	151
OAK BLUFFS	2,804	902	*	1,507	213	462
OAKHAM	1,503	*	*	542	0	127
ORANGE	7,312	330	*	1,849	13	279
ORLEANS	5,838	281	*	1,247	0	545
OTIS	1,073	511	*	2,405	0	787
PAXTON	4,047	155	*	334	0	170
PELHAM	1,373	*	*	934	0	135
PERU	779	*	*	733	0	*
PETERSHAM	1,131	*	*	998	0	439

COURT OUI
PER YEAR
1990-1992

UCR POSSESSION
PER YEAR
1990-1991

UCR SALE
PER YEAR
1990-1991

COURT NARC
PER YEAR
1990-1992

UCR DUIL
PER YEAR
1990-1991

UCR LIQ LAW
PER YEAR
1990-1991

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
MOUNT WASHINGTON	*	*	*	*	*	*
NAHANT	*	*	*	*	373	225
NANTUCKET	785	823	*	85	523	347
NEW ASHFORD	*	*	*	*	*	*
NEW BRAINTREE	*	*	*	*	*	*
NEW MARLBORO	*	*	*	*	*	*
NEW SALEM	*	*	*	*	*	*
NEMBURY	*	*	*	*	*	*
NORFOLK	*	*	*	54	191	56
NORTH BROOKFIELD	*	*	*	*	*	*
NORTHFIELD	*	*	*	*	*	*
NORWELL	*	*	*	*	*	*
OAK BLUFFS	*	*	*	*	*	*
OAKHAM	*	*	*	*	*	*
ORANGE	2,146	1,297	101	108	512	431
ORLEANS	8,304	4,635	*	*	302	*
OTIS	*	*	*	*	*	*
PAXTON	*	*	*	*	*	*
PELHAM	*	*	*	*	*	*
PERU	*	*	*	*	*	*
PETERSHAM	*	*	*	*	*	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
PHILLIPSTON	1,485	*	*	1,398	0	340
PLAINFIELD	571	*	*	2,104	0	665
PLAINVILLE	6,871	255	*	996	0	286
PLYMPTON	2,384	290	*	1,271	0	82
PRINCETON	3,189	*	*	524	0	273
PROVINCETOWN	3,561	467	*	2,240	0	893
RAYNHAM	9,867	201	*	795	0	250
REHOBOTH	8,656	68	*	468	0	189
RICHMOND	1,677	*	*	1,048	0	59
ROCHESTER	3,921	*	*	700	0	120
ROCKPORT	7,482	422	*	689	0	*
ROME	378	*	*	*	0	*
ROWLEY	4,452	206	*	1,054	0	218
ROYALSTON	1,147	*	*	878	0	249
RUSSELL	1,594	594	*	1,823	0	422
RUTLAND	4,936	247	*	595	0	99
SALISBURY	6,882	416	*	1,033	0	304
SANDISFIELD	667	*	*	1,697	0	509
SAVOY	634	*	*	2,040	0	425
SHEFFIELD	2,910	274	*	1,151	0	340
SHELburne	2,012	343	*	2,108	0	435

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
PHILLIPSTON	*	*	*	*	*	*
PLAINFIELD	*	*	*	*	*	*
PLAINVILLE	*	*	*	*	*	*
PLYMPTON	*	*	*	*	*	*
PRINCETON	*	*	163	244	753	*
PROVINCETOWN	*	*	*	*	329	*
RAYNHAM	*	*	*	*	355	64
REHOBOTH	*	*	*	*	*	*
RICHMOND	*	*	*	*	*	*
ROCHESTER	*	*	*	*	184	*
ROCKPORT	*	*	*	*	*	*
ROME	*	*	*	*	1,358	*
ROWLEY	*	*	*	*	*	*
ROYALSTON	*	*	*	*	*	*
RUSSELL	*	*	*	*	*	*
RUTLAND	*	*	*	*	140	*
SALISBURY	*	*	*	*	*	*
SANDISFIELD	*	*	*	*	*	*
SAVOY	*	*	*	*	*	*
SHEFFIELD	*	*	*	*	*	*
SHELburne	*	*	*	*	*	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNOER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
SHERBORN	3,989	221	*	385	0	72
SHIRLEY	6,118	310	*	898	0	142
SHUTESBURY	1,561	*	*	779	0	62
SOUTHAMPTON	4,478	269	*	835	0	191
SOUTHBORO	6,628	306	*	547	0	225
SOUTHWICK	7,667	307	*	1,326	0	289
STERLING	6,481	270	*	779	0	160
STOCKBRIDGE	2,408	347	*	1,401	83	501
STOW	5,328	324	*	483	0	90
STURBRIDGE	7,775	345	*	1,013	0	272
SUNDERLAND	3,399	265	*	1,511	0	324
SUTTON	6,824	311	*	680	0	197
TEMPLETON	6,438	293	*	1,068	0	260
TISBURY	3,120	*	*	1,366	59	*
TOLLANO	289	*	*	*	0	*
TOPSFIELD	5,754	260	*	1,140	0	*
TONNSEND	8,496	215	*	531	0	109
TRURO	1,573	*	*	1,390	0	314
TYNGSBORO	8,642	146	*	676	0	272
TYRINGHAM	369	*	*	1,402	0	*
UPTON	4,677	324	*	761	0	167

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
SHERBORN	*	*	*	*	185	*
SHIRLEY	*	*	*	*	294	128
SHUTESBURY	*	*	*	*	*	*
SOUTHAMPTON	*	*	*	*	*	*
SOUTHBORO	*	*	*	*	191	*
SOUTHWICK	*	*	*	*	*	*
STERLING	*	*	*	155	625	315
STOCKBRIDGE	*	*	*	*	333	*
STOW	*	*	*	*	196	*
STURBRIDGE	*	*	*	117	700	144
SUNOERLAND	*	*	*	*	213	*
SUTTON	*	*	*	*	*	*
TEMPLETON	*	*	*	*	*	*
TISBURY	*	*	*	*	1,171	*
TOLLANO	*	*	*	*	*	*
TOPSFIELD	*	*	*	*	*	*
TONNSEN	*	*	*	*	*	*
TRURO	*	*	*	*	*	*
TYNGSBORO	*	*	*	*	*	*
TYRINGHAM	*	*	*	*	*	*
UPTON	*	*	*	*	*	*

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----
(continued)

TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992
WALES	1,566	347	*	1,143	0	235
WARE	9,808	546	*	1,216	10	230
WARREN	4,437	448	*	948	0	245
WARWICK	740	*	*	1,905	0	137
WASHINGTON	615	*	*	906	0	314
WELLFLEET	2,493	298	*	1,322	0	377
WENDELL	899	*	*	1,653	0	105
WENHAM	4,212	181	*	497	0	*
WEST BOYLSTON	6,611	263	*	637	0	198
WEST BRIDGEMATER	6,389	255	*	644	0	248
WEST BROOKFIELD	3,532	203	*	554	0	271
WEST NEWBURY	3,421	*	*	286	0	84
WEST STOCKBRIDGE	1,483	*	*	1,281	0	404
WEST TISBURY	1,704	322	*	605	58	*
WESTHAMPTON	1,327	467	*	590	0	*
WESTMINSTER	6,191	170	*	724	0	174
WHATELY	1,375	*	*	618	0	490
WILLIAMSBURG	2,515	454	*	999	0	533
WILLIAMSTOWN	8,220	*	*	568	0	271
WINCHENDON	8,805	243	*	1,317	0	266
WINDSOR	770	*	*	2,052	0	253

TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUIL PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991
MALES	*	*	*	*	*	*
WARE	1,903	963	*	104	354	300
WARREN	*	*	*	*	*	*
WARWICK	*	*	*	*	*	*
WASHINGTON	*	*	*	*	*	*
WELLFLEET	*	*	*	*	900	*
WENDELL	*	*	*	*	*	*
WENHAM	*	*	*	*	*	*
WEST BOYLSTON	*	*	*	*	599	331
WEST BRIDGEMATER	*	*	*	303	733	167
WEST BROOKFIELD	*	*	*	312	808	1,024
WEST NEWBURY	*	*	*	*	*	*
WEST STOCKBRIDGE	*	*	*	*	*	*
WEST TISBURY	*	*	*	*	*	*
WESTHAMPTON	*	*	*	*	*	*
WESTMINSTER	*	*	*	*	302	*
WHATELY	*	*	*	*	*	*
WILLIAMSBURG	*	*	*	*	*	*
WILLIAMSTOWN	*	*	*	*	*	*
WINCHENDON	445	232	*	159	*	*
WINDSOR	*	*	*	*	295	*

APPENDIX C: 13SEP94

GENERAL SUBSTANCE USE INDICATORS PER TOWN
MEAN RATE PER 100,000 PER YEAR

----- SIZE OF COMMUNITY=UNDER 10,000 (N=190) -----											
(continued)											
TOWN	CENSUS 1990	HOSP DISCHARGES PER YEAR 1990-1992	DEATHS PER YEAR 1990-1992	TREAT ADMITS PER YEAR FY90-FY92	WEEKLY SELFHELP PER YEAR 1990-1992	LIQUOR LICENSES IN 1992					
MORTHINGTON	1,156	*	*	992	0	451					
WRENTHAM	9,006	329	*	987	0	148					
SIZE	776,637	40,914	0	201,849	512	48,953					
	=====	=====	=====	=====	=====	=====					
	6,016,425	105,129	2,930	377,237	888	73,589					
TOWN	COURT OUI PER YEAR 1990-1992	COURT NARC PER YEAR 1990-1992	UCR SALE PER YEAR 1990-1991	UCR POSSESSION PER YEAR 1990-1991	UCR DUI/L PER YEAR 1990-1991	UCR LIQ LAW PER YEAR 1990-1991					
MORTHINGTON	*	*	*	*	*	*					
WRENTHAM	4,140	3,804	*	*	*	*					
SIZE	38,216	23,270	264	3,278	26,243	9,434					
	=====	=====	=====	=====	=====	=====					
	106,242	87,158	4,314	13,361	60,270	21,872					

APPENDIX D

ICD-9 CODES USED TO SELECT RECORDS FROM THE HOSPITAL DISCHARGE AND DEATH CERTIFICATE DATABASES

Diagnostic Categories for Deaths and Hospital Discharges Data

Patient Type:		Category	Description
Alcohol or Drug			
Old	New		
A	A	1	Pellagra
A	A	2	Alcohol Psychosis
D	D	3	Drug Psychosis
A	A	4	Alcohol Dependence
D	D	5	Opiate/Morphine Dependence
D	D	6	Barbiturate Dependence
D	D	7	Cocaine Dependence
D	D	8	Cannabis Dependence
D	D	9	Amphetamine Dependence
D	D	10	Hallucinogen Dependence
D	D	11	Drug Combinations (with opiate) Dependence
D	D	12	Drug Combinations (without opiate) Dependence
D	D	13	Other drug dependence
A	A	14	Alcohol Abuse
		15	Tobacco Abuse
D	D	16	Cannabis Abuse
D	D	17	Hallucinogen Abuse
D	D	18	Barbiturate Abuse
D	D	19	Opiate/Morphine Abuse
D	D	20	Cocaine Abuse
D	D	21	Amphetamine Abuse
D	D	22	Antidepressant Abuse
D	D	23	Other Drug Abuse
A	A	24	Miscellaneous Alcohol Diseases
	A	25	Acute Alcoholic Hepatitis
	A	26	Alcoholic Cirrhosis
	A	27	Other Alcoholic Liver Disease
	D	28	Chronic Hepatitis
		29	Cirrhosis without Alcohol
		30	Other Nonalcoholic Liver Disease
	A	31	Portal Hypertension
	D	32	Unspecified Hepatitis
	D	33	Viral Hepatitis B
	A	34	Fetal Alcohol Syndrome
	D	35	Fetal Drug-Induced Disorder
D	D	36	Opiate/Morphine Poisoning

D	D	37	Barbiturate Poisoning
D	D	38	Other Sedative Poisoning
D	D	39	Cocaine Poisoning
D	D	40	Psychotropic Poisoning
D	D	41	Tranquilizer Poisoning
D	D	42	Hallucinogen Poisoning
D	D	43	Stimulant Poisoning
	D	44	Other Drug Poisoning
A	A	45	Toxic Alcohol Effects
D	D	46	Newborn Drug Withdrawal Syndrome

Additional Overlapping Categories for Accidents and Suicides

While the following categories are tracked, they are subsets of categories listed above. To avoid double-counting these incidents, reporting programs will print overall totals based on categories 1-46 only.

D	47	Accidental Poisoning: Drugs
D	48	Accidental Poisoning: Barbiturates
D	49	Accidental Poisoning: Other Sedatives
D	50	Accidental Poisoning: Tranquilizers
D	51	Accidental Poisoning: Hallucinogens
D	52	Accidental Poisoning: Amphetamines
D	53	Accidental Poisoning: Central Nervous System Stimulants
D	54	Accidental Poisoning: Cocaine
A	55	Accidental Poisoning: Alcohol
D	56	Suicide: Barbiturates
D	57	Suicide: Other Sedatives
D	58	Suicide: Tranquilizers
D	59	Suicide: Other Drugs
D	60	Poisoning (Intention Undetermined): Barbiturates
D	61	Poisoning (Intention Undetermined): Other Sedatives
D	62	Poisoning (Intention Undetermined): Tranquilizers
D	63	Poisoning (Intention Undetermined): Other Drugs

ICD-9 Codes for Substance Use Indicator Project as of 4/13/93

Used to Select Records for Hospital Discharge Datasets

Diagnostic Category		ICD-9 Code	ICD-9 Description
Old	New		
33	33	070.2	Viral hepatitis B with hepatic coma
33	33	070.3	Viral hepatitis B without mention of hepatic coma
1	1	265.2	Pellagra
2	2	291.0	Alcohol withdrawal delirium
2	2	291.1	Alcohol amnestic syndrome
2	2	291.2	Other alcoholic dementia
2	2	291.3	Alcohol withdrawal hallucinosis
2	2	291.4	Idiosyncratic alcohol intoxication
2	2	291.5	Alcoholic jealousy (paranoia, paranoid psychosis)
2	2	291.8	Other specified alcoholic psychosis
2	2	291.9	Unspecified alcoholic psychosis
3	3	292.0	Drug withdrawal syndrome
3	3	292.1	Paranoid and/or hallucinatory states induced by drugs
3	3	292.2	Pathological drug intoxication
3	3	292.8	Other specified drug-induced mental disorders
3	3	292.9	Unspecified drug-induced mental disorder
3	3	292.11	Drug-induced organic delusional syndrome
3	3	292.12	Drug-induced hallucinosis
3	3	292.81	Drug-induced delirium
3	3	292.82	Drug-induced dementia
3	3	292.83	Drug-induced amnestic syndrome
3	3	292.84	Drug-induced organic affective syndrome
3	3	292.89	Drug-induced organic personality syndrome
3	3	292.9	Unspecified drug-induced mental disorder
4	4	303.0	Acute alcohol intoxication
4	4	303.9	Other and unspecified alcohol dependence
5	5	304.0	Opioid type dependence
6	6	304.1	Barbiturate and similarly acting sedative or hypnotic dependence
7	7	304.2	Cocaine dependence

8	8	304.3	Cannabis dependence
9	9	304.4	Amphetamine and other psycho-stimulant dependence
10	10	304.5	Hallucinogen dependence
13	13	304.6	Other specified drug dependence
11	11	304.7	Combinations of opioid type drug with any other
12	12	304.8	Combinations of drug dependence excluding opioid type drug
13	13	304.9	Unspecified drug dependence
14	14	305.0	Alcohol abuse
15	15	305.1	Tobacco use disorder
16	16	305.2	Cannabis abuse
17	17	305.3	Hallucinogen abuse
18	18	305.4	Barbiturate and similarly acting sedative or hypnotic abuse
19	19	305.5	Opioid abuse
20	20	305.6	Cocaine abuse
21	21	305.7	Amphetamine or related acting sympathomimetic abuse
22	22	305.8	Antidepressant type abuse
23	23	305.9	Other, mixed or unspecified drug abuse
24	24	357.5	Alcoholic polyneuropathy
24	24	425.5	Alcoholic cardiomyopathy
24	24	535.3	Alcoholic gastritis
27	27	571.0	Alcoholic fatty liver
25	25	571.1	Acute alcoholic hepatitis
26	26	571.2	Alcoholic cirrhosis of the liver
27	27	571.3	Alcoholic liver damage, unspecified
28	28	571.4	Chronic hepatitis
29	29	571.5	Cirrhosis of liver without mention of alcohol
30	30	571.6	Biliary cirrhosis
30	30	571.8	Other chronic nonalcoholic liver disease
30	30	571.9	Unspecified chronic liver disease without mention of alcohol
31	31	572.3	Portal hypertension
32	32	573.3	Hepatitis, unspecified
34	34	760.71	Fetal alcohol syndrome
35	35	760.72	Fetal disorder - narcotic induced
	35	760.73	Fetus disorder - hallucinogenic agents induced
46	46	779.5	Drug withdrawal syndrome in newborn
24	24	790.3	Excessive blood level of alcohol
36	36	965.0	Poisoning by opiates and related narcotics

36	36	965.00	Poisoning by opium (alkaloids), unspecified
36	36	965.01	Poisoning by heroin
36	36	965.02	Poisoning by methadone
36	36	965.09	Poisoning by other opiates (codeine, meperidine, morphine)
38	38	967	Poisoning by sedatives and hypnotics
37	37	967.0	Poisoning by barbiturates
38	38	967.1	Poisoning by chloral hydrate group substances
38	38	967.2	Poisoning by paraldehyde
38	38	967.3	Poisoning by bromine compounds
38	38	967.4	Poisoning by methaqualone compounds
38	38	967.5	Poisoning by glutethimide group substances
38	38	967.6	Poisoning by mixed sedatives not elsewhere classified
38	38	967.8	Poisoning by other sedatives and hypnotics
38	38	967.9	Poisoning by unspecified sedative or hypnotic
39	39	968.5	Poisoning by surface and infiltration anesthetics
40	40	969	Poisoning by psychotropic agents
41	41	969.0	Poisoning by antidepressants
41	41	969.1	Poisoning by phenothiazine-based tranquilizers
41	41	969.2	Poisoning by butyrophenone-based tranquilizers
41	41	969.3	Poisoning by other anti-psychotics, neuroleptics and major tranquilizers
41	41	969.4	Poisoning by benzodiazepine-based tranquilizers
41	41	969.5	Poisoning by other tranquilizers
42	42	969.6	Poisoning by psychodysleptics (hallucinogens)
43	43	969.7	Poisoning by psychostimulants
40	40	969.8	Poisoning by other specified psychotropic agent
40	40	969.9	Poisoning by unspecified psychotropic agent
	43	970.0	Poisoning by analeptics
43	43	970.1	Poisoning by opiate antagonists
	43	970.8	Poisoning by other specified central nervous system stimulants
	43	970.9	Poisoning by unspecified central nervous system stimulants
	44	977.0	Poisoning by dietetics
	44	977.1	Poisoning by lipotropic drugs
	44	977.2	Poisoning by antidotes and chelating agents
24	44	977.3	Poisoning by alcohol deterrents
	44	977.4	Poisoning by pharmaceutical excipients
	44	977.8	Poisoning by other specified drugs and medicinal substances
	44	977.9	Poisoning by unspecified drug or medicinal substance
45	45	980.0	Toxic effect of ethyl alcohol
45	45	980.1	Toxic effect of methyl alcohol
45	45	980.2	Toxic effect of isopropyl alcohol

	45	980.3	Toxic effect of fusel oil
45	45	980.8	Toxic effect of other specified alcohol
45	45	980.9	Toxic effect of unspecified alcohol
	47	E850.0	Accidental poisoning by heroin
	47	E850.1	Accidental poisoning by methadone
	47	E850.2	Accidental poisoning by other opiates and related narcotics
	48	E851	Accidental poisoning by barbiturates
	49	E852.0	Accidental poisoning by chloral hydrate group substances
	49	E852.1	Accidental poisoning by paraldehyde
	49	E852.2	Accidental poisoning by bromine compounds
	49	E852.3	Accidental poisoning by methaqualone compounds
	49	E852.4	Accidental poisoning by glutethimide group substances
	49	E852.5	Accidental poisoning by mixed sedatives, not elsewhere classified
	49	E852.8	Accidental poisoning by other specified sedatives/hypnotics
	49	E852.9	Accidental poisoning by unspecified sedative or hypnotic
	50	E853.0	Accidental poisoning by phenothiazine-based tranquilizers
	50	E853.1	Accidental poisoning by butyrophenone-based tranquilizers
	50	E853.2	Accidental poisoning by benzodiazepine-based tranquilizers
	50	E853.8	Accidental poisoning by other specified tranquilizers
	50	E853.9	Accidental poisoning by unspecified tranquilizer
	50	E854.0	Accidental poisoning by antidepressants
	51	E854.1	Accidental poisoning by psychodysleptics (hallucinogens)
	52	E854.2	Accidental poisoning by psychostimulants
	53	E854.3	Accidental poisoning by central nervous system stimulants
	54	E855.2	Accidental poisoning by local anesthetics (cocaine, lidocaine, procaine and tetracaine)
	55	E860.0	Accidental poisoning by alcoholic beverages
	55	E860.1	Accidental poisoning by other and unspecified ethyl alcohol and its products
	55	E860.2	Accidental poisoning by methyl alcohol
	55	E860.3	Accidental poisoning by isopropyl alcohol
	55	E860.4	Accidental poisoning by fusel oil
	55	E860.8	Accidental poisoning by other specified alcohol
	55	E860.9	Accidental poisoning by unspecified alcohol
	59	E950	Suicide and self-inflicted poisoning by solid or liquid substances
59	59	E950.0	Suicide by analgesics, antipyretics, and antirheumatics
59	56	E950.1	Suicide by barbiturates
59	57	E950.2	Suicide by other sedatives and hypnotics
59	58	E950.3	Suicide by tranquilizers and other psychotropic agents
59	59	E950.4	Suicide by other specified drugs and medicinal substances
59	59	E950.5	Suicide by unspecified drug or medicinal substance

Poisoning with undetermined intention (accidental or purposely inflicted)

36	63	E980.0	Poisoning by analgesics, antipyretics and antirheumatics
37	60	E980.1	Poisoning by barbiturates
38	61	E980.2	Poisoning by other sedatives and hypnotics
41	62	E980.3	Poisoning by tranquilizers and other psychotropic agents
	63	E980.4	Poisoning by other specified drugs and medicinal substances
	63	E980.5	Poisoning by unspecified drug or medicinal substances

Used to Select Records for Death Datasets

Diagnostic Category		ICD-9 Code	ICD-9 Description
Old	New		
33	33	070.2	Viral hepatitis B with hepatic coma
33	33	070.3	Viral hepatitis B without mention of hepatic coma
1	1	265.2	Pellagra
2	2	291.0	Delirium tremens
2	2	291.1	Korsakov's psychosis, alcoholic
2	2	291.2	Other alcohol dementia
2	2	291.3	Other alcohol hallucinosis
2	2	291.4	Pathological drunkenness
2	2	291.5	Alcoholic jealousy
2	2	291.8	Other specified alcoholic psychosis
2	2	291.9	Unspecified alcoholic psychosis
3	3	292.0	Drug withdrawal syndrome
3	3	292.1	Paranoid and/or hallucinatory states induced by drugs
3	3	292.2	Pathological drug intoxication
3	3	292.8	Other specified drug-induced drug psychosis
3	3	292.9	Unspecified drug-induced drug psychosis
4	4	303	Alcohol dependence syndrome
5	5	304.0	Morphine type dependence
6	6	304.1	Barbiturate type dependence
7	7	304.2	Cocaine dependence
8	8	304.3	Cannabis dependence
9	9	304.4	Amphetamine type and other psychostimulants dependence
10	10	304.5	Hallucinogens dependence
13	13	304.6	Other specified drug dependence
11	11	304.7	Combinations of morphine type drug with any other drug
12	12	304.8	Combinations of drug dependence excluding morphine type drug
13	13	304.9	Unspecified drug dependence
14	14	305.0	Alcohol abuse
15	15	305.1	Tobacco abuse
16	16	305.2	Cannabis abuse
17	17	305.3	Hallucinogens abuse

18	18	305.4	Barbiturates and tranquilizers abuse
19	19	305.5	Morphine type abuse
20	20	305.6	Cocaine type abuse
21	21	305.7	Amphetamine type abuse
22	22	305.8	Antidepressants abuse
23	23	305.9	Other, mixed or unspecified drug abuse
24	24	357.5	Alcoholic polyneuropathy
24	24	425.5	Alcoholic cardiomyopathy
24	24	535.3	Alcoholic gastritis
27	27	571.0	Alcoholic fatty liver
25	25	571.1	Acute alcoholic hepatitis
26	26	571.2	Alcoholic cirrhosis of liver
27	27	571.3	Alcoholic liver damage, unspecified
28	28	571.4	Chronic hepatitis
29	29	571.5	Cirrhosis of liver without mention of alcohol
30	30	571.6	Biliary cirrhosis
30	30	571.8	Other chronic nonalcoholic liver disease
30	30	571.9	Unspecified chronic liver disease without mention of alcohol
31	31	572.3	Portal hypertension
32	32	573.3	Hepatitis, unspecified
34	34	760.7	Noxious influences affecting fetus via placenta or breast milk*
45	45	779.5	Drug withdrawal syndrome in newborn
24	24	790.3	Excessive blood level of alcohol
36	36	965.0	Poisoning by opiates and related narcotics
37	37	967.0	Poisoning by barbiturates
38	38	967.1	Poisoning by chloral hydrate group substances
38	38	967.2	Poisoning by paraldehyde
38	38	967.3	Poisoning by bromine compounds
38	38	967.4	Poisoning by methaqualone compounds
38	38	967.5	Poisoning by glutethimide group substances
38	38	967.6	Poisoning by mixed sedatives not elsewhere classified
38	38	967.8	Poisoning by other sedatives and hypnotics
38	38	967.9	Poisoning by unspecified sedatives and hypnotics

39	39	968.5	Poisoning by surface and infiltration anesthetics
41	41	969.0	Poisoning by antidepressants
41	41	969.1	Poisoning by phenothiazine-based tranquilizers
41	41	969.2	Poisoning by butyrophenone-based tranquilizers
41	41	969.3	Poisoning by other antipsychotics, neuroleptics and major tranquilizers
41	41	969.4	Poisoning by benzodiazepine-based tranquilizers
41	41	969.5	Poisoning by other tranquilizers
42	42	969.6	Poisoning by psychodysleptics (hallucinogens)
43	43	969.7	Poisoning by psychostimulants
40	40	969.8	Poisoning by other specified psychotropic agents
40	40	969.9	Poisoning by unspecified psychotropic agents
	43	970.0	Poisoning by analeptics
43	43	970.1	Poisoning by opiate antagonists
	43	970.8	Poisoning by other specified central nervous system stimulants
	43	970.9	Poisoning by unspecified central nervous system stimulants
	44	977.0	Poisoning by dietetics
	44	977.1	Poisoning by lipotropic drugs
	44	977.2	Poisoning by antidotes and chelating agents
24	44	977.3	Poisoning by alcohol deterrents
	44	977.4	Poisoning by pharmaceutical excipients
	44	977.8	Poisoning by other specified drugs and medicaments
	44	977.9	Poisoning by unspecified drug or medicament
45	45	980.0	Toxic effect of ethyl alcohol
45	45	980.1	Toxic effect of methyl alcohol
45	45	980.2	Toxic effect of isopropyl alcohol
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45	45	980.8	Toxic effect of other specified alcohol
45	45	980.9	Toxic effect of unspecified alcohol
	47	E850.0	Accidental poisoning by opiates and related narcotics
	47	E850.1	Accidental poisoning by methadone
	47	E850.2	Accidental poisoning by other opiates and related narcotics
	48	E851	Accidental poisoning by barbiturates
	49	E852.0	Accidental poisoning by chloral hydrate group substances
	49	E852.1	Accidental poisoning by paraldehyde
	49	E852.2	Accidental poisoning by bromine compounds
	49	E852.3	Accidental poisoning by methaqualone compounds
	49	E852.4	Accidental poisoning by glutethimide group substances
	49	E852.5	Accidental poisoning by other mixed sedatives
	49	E852.8	Accidental poisoning by other specified sedatives/hypnotics
	49	E852.9	Accidental poisoning by unspecified sedatives and hypnotics

50	E853.0	Accidental poisoning by phenothiazine-based tranquilizers
50	E853.1	Accidental poisoning by butyrophenone-based tranquilizers
50	E853.2	Accidental poisoning by benzodiazepine-based tranquilizers
50	E853.8	Accidental poisoning by other specified tranquilizers
50	E853.9	Accidental poisoning by unspecified tranquilizer
50	E854.0	Accidental poisoning by antidepressants
51	E854.1	Accidental poisoning by psychodysleptics (hallucinogens)
52	E854.2	Accidental poisoning by psychostimulants
53	E854.3	Accidental poisoning by central nervous system stimulants
54	E855.2	Accidental poisoning by local anesthetics (cocaine, lidocaine, procaine and tetracaine)
55	E860.0	Accidental poisoning by alcoholic beverages
55	E860.1	Accidental poisoning by other and unspecified ethyl alcohol and its products
55	E860.2	Accidental poisoning by methyl alcohol
55	E860.3	Accidental poisoning by isopropyl alcohol
55	E860.4	Accidental poisoning by fusel oil
55	E860.8	Accidental poisoning by other specified alcohol
55	E860.9	Accidental poisoning by unspecified alcohol
59	E950.0	Suicide by analgesics, antipyretics, and antirheumatics
56	E950.1	Suicide by barbiturates
57	E950.2	Suicide by other sedatives and hypnotics
58	E950.3	Suicide by tranquilizers and other psychotropic agents
59	E950.4	Suicide by other specified drugs and medicaments
59	E950.5	Suicide by unspecified drug or medicament

Poisoning with undetermined intention (accidental or purposely inflicted)

36	63	E980.0	Poisoning by analgesics, antipyretics and antirheumatics
37	60	E980.1	Poisoning by barbiturates
38	61	E980.2	Poisoning by other sedatives and hypnotics
41	62	E980.3	Poisoning by tranquilizers and other psychotropic agents
	63	E980.4	Poisoning by other specified drugs and medicaments
	63	E980.5	Poisoning by unspecified drug or medicament

Notes on ICD-9 codes:

Hospital discharge codes are five digits ICD-9-CM codes. Cause of death codes are four digit ICD-9 codes. As a result, the cause of death data collapses diagnostic categories 34 and 35 into 34. The five digit code would be needed to more accurately categorize code 760.7. Previous analyses used the wrong code (760.8 rather than 760.7) for category 35. The error has been fixed. Code 760.8 no longer appears on this list, since it is disease-related not drug-related.

APPENDIX E

DESCRIPTION OF SUBSTANCE USE INDICATORS

DESCRIPTION OF SUBSTANCE USE INDICATORS

Hospital Discharges

Source: Uniform Hospital Discharge Dataset
Massachusetts Rate-Setting Commission

Contents: Acute hospital patient discharge records with diagnoses (ICD-9-CM codes) related to either alcohol or drug use. Records were chosen for inclusion in the substance use indicator dataset if any of the substance use related codes (Appendix D) were listed as principal or associated diagnoses. Each record represents a discharge for one patient hospitalization. A patient could be discharged twice for separate hospital stays and therefore, that person would be counted twice. It is possible for a record to have more than one substance use related diagnosis; all diagnosis codes are extracted up to a maximum of 10 diagnoses per discharge. Each substance abuse related hospital discharge is characterized as either alcohol or drug related, as shown in Appendix D.

Years Reported: 1985 - 1992
(Note: Data from previous years for hospitals that had failed to report data between 1986 and 1990 have been acquired and included in the database)

DESCRIPTION OF SUBSTANCE USE INDICATORS (cont.)

Deaths

Source: Death Certificates
Massachusetts Department of Public Health
Bureau of Health Statistics
Research and Evaluation

Contents: Number of deaths with causes or mentioned conditions related to alcohol or drug use as listed on the death certificate. Alcohol and drug related deaths were identified using ICD-9 codes (Appendix D). It is possible for each record to have more than one substance use related cause or condition. Town is assigned based on town of residence, not town of death, and only Massachusetts residents are included in the database.

Years Reported: 1985 - 1992
(Note: This dataset extracts deaths with any cause or mentioned condition related to alcohol or drug use. Caution should be used when comparing these data to others which only use primary conditions)

DESCRIPTION OF SUBSTANCE USE INDICATORS (cont.)

Treatment Admissions

Source: Substance Abuse Treatment Data, Management Information System Client Database
Massachusetts Department of Public Health
Bureau of Substance Abuse Services and Health and Addictions Research, Inc.

Contents: Admissions to substance abuse treatment agencies funded by the Bureau of Substance Abuse Services. Data are reported by Fiscal Year (FY) and are divided into three categories: primary, collateral, and total (primary + collateral) treatment admissions. Primary admissions are patients directly treated for substance abuse while collateral admissions are significant others. Primary admissions include alcohol only, drug only, and both alcohol and drug treatment admissions.

Years Reported: FY 1986 - FY 1992
(Note: Admission numbers for each fiscal year are based on all admissions for that year received by the cut-off date (usually late August))

Weekly AA/NA Meetings

Source: Alcoholics Anonymous (AA) and Narcotics Anonymous (NA) Meetings Lists
Eastern Massachusetts: Central Service Committee
Central Massachusetts: Worcester Area Intergroup, Inc.
Western Massachusetts: Western Massachusetts Intergroup Office

Contents: Number of weekly AA and NA meetings in each town. Includes only meetings listed in the meeting lists. Many closed and twelve step meetings are not included in the meeting lists.

Years Reported: 1986 - 1992
(Note: No information for Western Massachusetts in 1987)

DESCRIPTION OF SUBSTANCE USE INDICATORS (cont.)

Liquor Licenses

- Source: Massachusetts Retail Liquor Licensee Directory
Massachusetts Alcohol Beverage Control Commission
- Contents: Number of liquor licenses issued to establishments located in each town. Includes licenses issued to (a) package stores, (b) pharmacies, (c) restaurants, (d) taverns, (e) general on premises, (f) hotels, and (g) clubs for all alcoholic beverages as well as wines and malt beverages only.
- Years Reported: 1986 - 1992
(Note: No directory was published in 1988 or 1990)

District Court Filings

- Source: Annual Report of the Massachusetts Trial Court
Office of the Chief Administrative Justice
- Contents: Criminal complaints filed in the District Court Department and in the Boston Municipal Court Department for operating under the influence (OUI) and narcotics. Filings and dispositions represent the movement of cases through the court departments and provide an index of the activities of these courts. There are a total of 69 courts under the jurisdiction of the District Court Department. District court figures are reported for the town in which the court is located, although the actual complaints and litigants may have originated in other towns.
- Years Reported: 1986 - 1992

DESCRIPTION OF SUBSTANCE USE INDICATORS (cont.)

Uniform Crime Report

Source: Uniform Crime Reporting Program
U. S. Department of Justice
Federal Bureau of Investigation

Contents: Number of arrests reported to the Uniform Crime Reporting Program. Offense codes are reported in a hierarchical fashion and only one offense is reported per arrest (the most serious crime). Since drug and alcohol related violations are relatively low in the hierarchy, they are underreported. Arrest data are supplied by city, county, and state law enforcement agencies. Substance use indicators include (a) arrests for sale and manufacturing of controlled substances, (b) possession of controlled substances, (c) liquor law violations, and (d) driving under the influence of liquor (DUIL). Only figures reported by local city and town law enforcement agencies are included in this report. Reports from state, MDC (Metropolitan District Commission), and MBTA (Massachusetts Bay Transportation Authority) police are counted in statewide numbers only. University police data are recorded for the town in which the university is located. Data for county sheriff departments are not included. Since the reporting system is not mandatory, many of the city and town police forces do not consistently report their monthly arrest data. Each year, approximately 25% of the police departments in the state report no data, and another 25% report only a partial year of data. Twelve month projections are made for towns that report between five and eleven months of data. For those reporting fewer than five months, the projections are set to missing.

Years Reported: 1986 - 1991

DESCRIPTION OF SUBSTANCE USE INDICATORS (cont.)

Alcohol Related Fatal Traffic Accidents

- Source: Massachusetts Registry of Motor Vehicles
Research Unit
- Contents: Data are reported by town and include the date of the accident, the town of the accident, the age and sex of the operator, and the age and sex of the individuals killed. The database tracks number of accidents per town and the numbers correspond to the town in which the accident occurred, not where the driver resides.
- Years Reported: 1986 - 1992

AIDS

- Source: Massachusetts Department of Public Health
Massachusetts Center for Disease Control
AIDS Surveillance Program
Massachusetts Rate Setting Commission
- Contents: For confidentiality reasons, AIDS cases are only reported for towns with more than 5 cases. Although AIDS cases resulting from needle use are particularly relevant to this study, the database does not differentiate by mode of transmission. Subsequently, the number of AIDS cases listed for each town includes AIDS cases resulting from injection needle use as well as other modes of transmission. Both total number of AIDS cases in Massachusetts as well as newly diagnosed cases (incidence) in Massachusetts are reported.
- Years Reported: 1986 - 1992
(Note: Data for rates per 100,000 are calculated using 1990 census numbers as the denominators)

DESCRIPTION OF SUBSTANCE USE INDICATORS (cont.)

PLEASE NOTE:

Indicators may not be mutually exclusive. For example, the same person may be arrested for OUI (included in the district court data) and treated for cocaine in the substance abuse treatment system. Such a person would be included in both indicators.

